

ADEQ Final Determination (1980's Rule), - Alvord Park Lake AZL15060106B-0050

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
	Waterbody Name: Alvord Park Lake			Evaluator: Corinne Johnson		
	Reach Name:			Date: 10/8/2021		
	WBID: AZL15060106B-0050			Lat/Long: 33.372952, -112.139236		
Interpretation of Results:						
<p>Alvord Park Lake (AZL15060106B-0050) is located within Cesar Chavez Park in Maricopa County. The lake is an artificial urban lake with a concrete perimeter and has no outlet to a natural channel or downstream TNW (Figure 1). The USGS Raindrop Tool erroneously shows connectivity from Alvord Park Lake to a canal, however this flow path is incorrect because there are no channels or outlets and that flowpath is not observed in satellite imagery (Figure 2a). Additionally, this incorrect flow path goes through commercial and residential areas (Figure 2b).</p> <p>Alvord Park Lake is an isolated urban lake and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Alvord Park Lake (AZL15060106B-0050) is NON-WOTUS.</p> <p>Alvord Park Lake is stocked by the Arizona Game and Fish Department and has recreational fishing and boating uses.</p> <p>Alvord Park Lake is currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p> <p>Figures:</p>						



Figure 1: Alvor Park Lake is an urban lake with no outlets and is concrete lined.



Figure 2a: The USGS Raindrop tool shows an erroneous connection from Alvor Park Lake to the Colorado River.

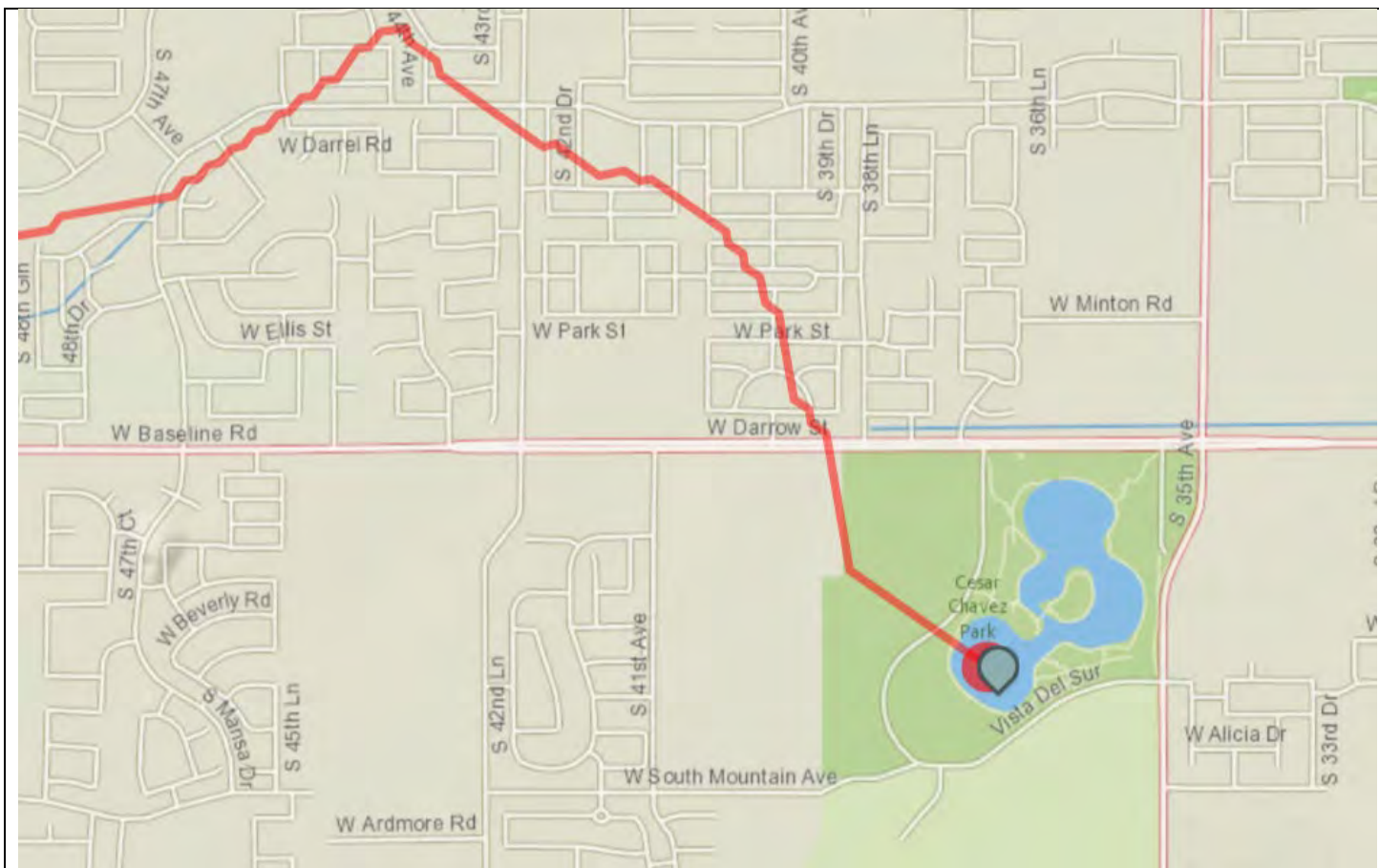


Figure 2b: The USGS Raindrop tool shows a connection from Alvord Park Lake to a canal; however, there is no channel or outlet to suggest this connection possible.

What is the non-WOTUS category for the Water Body?

(select one after all evaluations have been completed)? Refer to the NWPR Fact Sheet

- ☐ 1. Reach lies within a Terminal basin
- ☒ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

Known Uses of the Study Water Body (Document any known public uses of the water body including recreational (boating, kayaking, fishing, etc.), commercial, or academic)

Activity or Use	Source	Comments and supporting information
Recreational fishing	AZGFD	
Boating, canoeing	AZGFD	

ADEQ Final Determination (1980's Rule), - Big Creek AZ15050201-312

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
	Waterbody Name: Big Creek			Evaluator: Corinne Johnson		
	Reach Name: Headwaters to Pitchfork Canyon Wash			Date: 10/8/21		
	WBID: AZ15050201-312			Lat/Long: 32.660295, -109.876142		
Interpretation of Results:						
<p>Big Creek (AZ15050201-312) is located in the Willcox Playa terminal basin in Graham county (Figure 1). The creek does not connect to a TNW and terminates in Willcox Playa basin (Figure 2).</p> <p>Big Creek lies within a terminalbasin and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available imagery indicates that Big Creek (AZ15050201-312) is NON-WOTUS.</p> <p>Big Creek is currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p> <p>Figures:</p>						

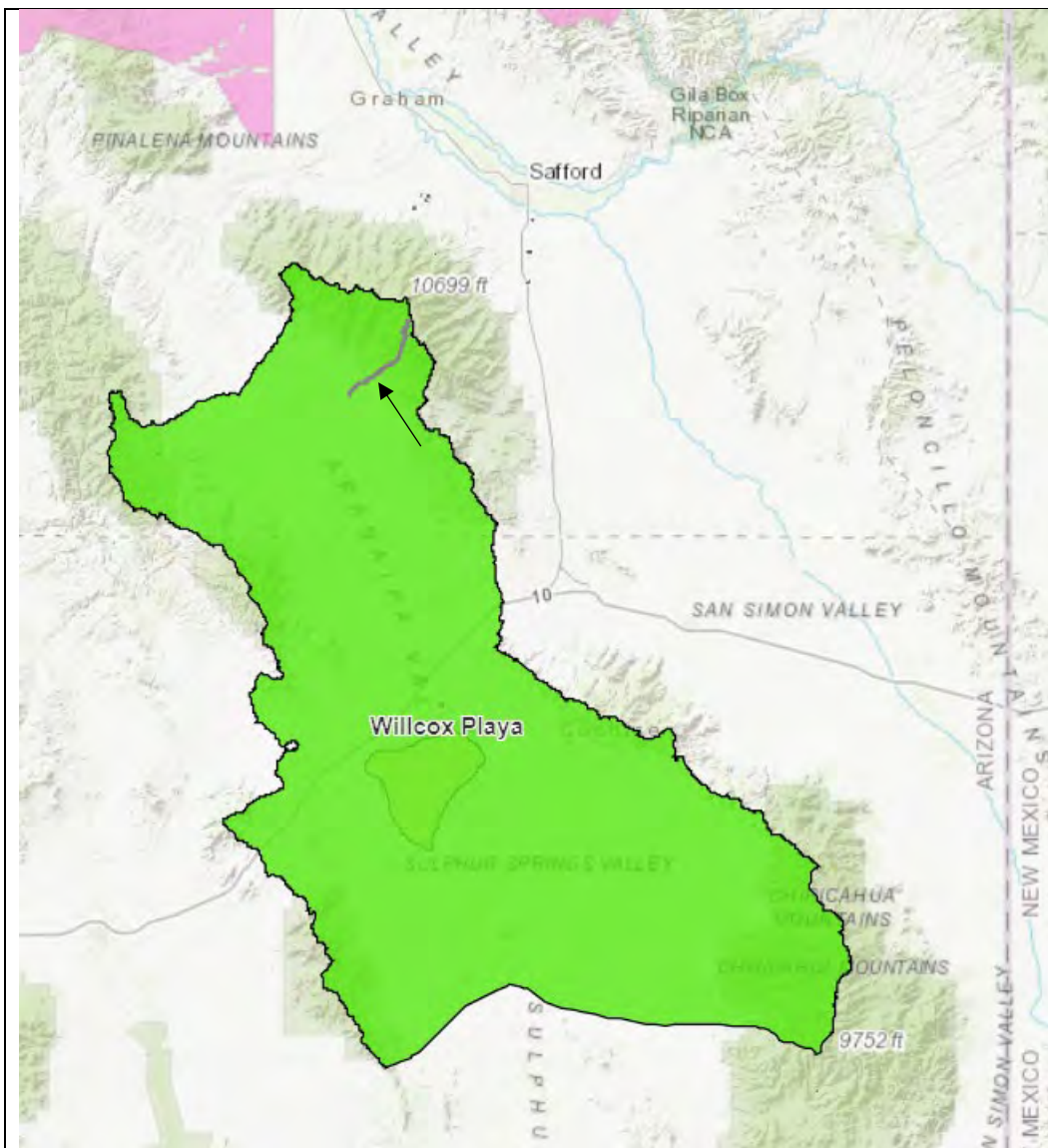


Figure 1: Big Creek (designated with an arrow) lies entirely in the Willcox Playa terminal basin.



Figure 2: USGS Raindrop tool shows no connection and terminates within Willcox Playa Basin.

What is the non-WOTUS category for the Water Body?
(select one after all evaluations have been completed)? Refer to the NWPR Fact Sheet

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

Known Uses of the Study Water Body (Document any known public uses of the water body including recreational (boating, kayaking, fishing, etc.), commercial, or academic)

Activity or Use	Source	Comments and supporting information

ADEQ Final Determination (1980's Rule), Boot Lake 15020015-3060


Final WOTUS Evaluation	<div style="border: 2px solid black; border-radius: 50%; width: 150px; height: 150px; background-color: red; display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;"> NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT </div> </div>	<div style="background-color: yellow; text-align: center; padding: 10px;"> INCONCLUSIVE </div>	<div style="background-color: green; text-align: center; padding: 10px;"> WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT </div>	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Boot Lake	Evaluator:	Hans Huth, Colleen Cassidy	
Reach Name:		Date:	10/20/2021	
WBID:	15020015-3060	Lat/Long:	34.98167, -111.3364	
Interpretation of Results:				
<p>Boot Lake (AZL15020015-3060) is a small isolated pond located within Coconino County in the Coconino National Forest (Figure 1). The USGS Raindrop Tool shows that the flowpath terminates within Boot Lake (Figure 2). The topographic map shows no outlet or possible connectivity from Boot Lake to downstream waters (Figure 3). In a closer look at the lake with a 2 meter NED GIS layer, the lake lies within an isolated small basin with no clear outlet drainage (Figure 4).</p> <p>Boot Lake is an therefore an isolated lake and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available imagery indicates that Boot Lake AZL15020015-3060 is NON-WOTUS.</p> <p>Boot Lake is listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>				
				
<p><i>Figure 1. Boot Lake isolated lake with no associated drainage, in Google Earth Pro Imagery (2021).</i></p>				



Figure 2. The USGS Raindrop Tool shows a flow path that terminates within Boot Lake.



Figure 3. Topographic map showing no outlet or possible flow path from Boot Lake.



Figure 4. NED Analysis image showing no outlet from Boot Lake.

What is the non-WOTUS category for the Water Body?
(select one after all evaluations have been completed)?

- ☐ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☒ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination (1980's Rule) – Bull Tank AZL15050201-0220A

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
	Waterbody Name: Bull Tank			Evaluator: Mackenzie Moore		
	Reach Name: 32 31'13"/110 12'52"			Date: 10/7/2021		
	WBID: AZL15050201-0220A			Lat/Long: 32.520245, -110.214346		
Interpretation of Results:						
<p>Bull Tank (AZL15050201-0220A) is located within the Willcox Playa terminal basin (Figure 1). The USGS Raindrop Tool shows that the flowpath terminates shortly beyond Bull Tank (Figure 2).</p> <p>Bull Tank is located within the Willcox Playa terminal basin and is therefore not connected to a TNW and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Bull Tank AZL15050201-0220A is NON-WOTUS.</p> <p>Bull Tank is currently not listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>						



Figure 1. A WOTUS Webmap image showing that Bull Tank AZL15050201-0220A, pointed out by the blue arrow, lies within the Wilcox Playa terminal basin.

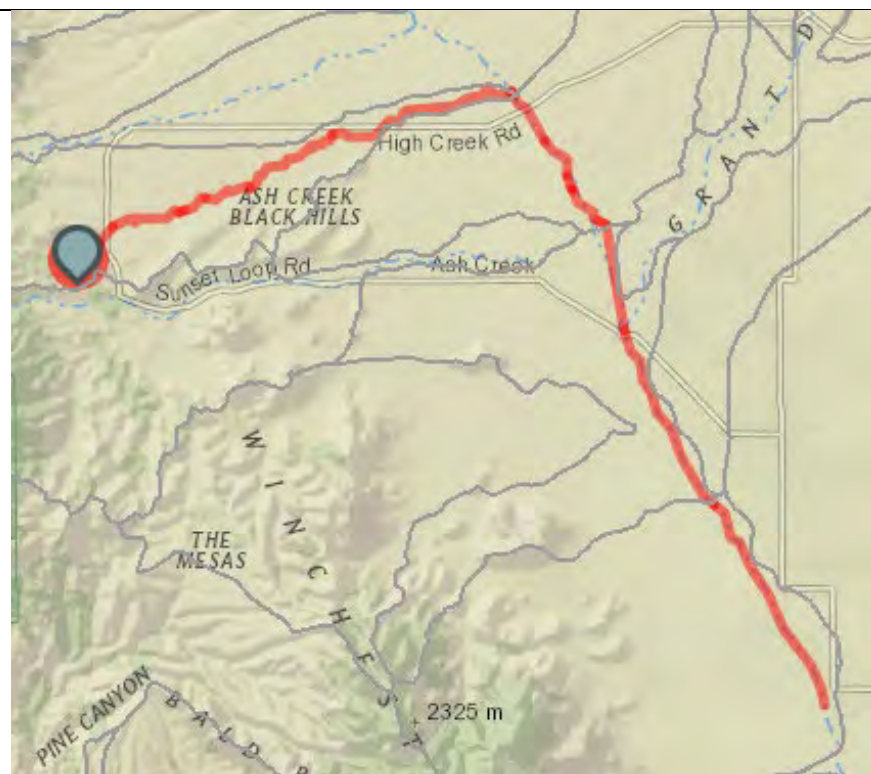


Figure 2. The Raindrop Tool from USGS traces a flowpath that terminates shortly beyond Bull Tank.

What is the non-WOTUS category for the Water Body?
 (select one after all evaluations have been completed)?

<input checked="" type="checkbox"/> 1. Reach lies within a Terminal basin
<input type="checkbox"/> 2. Artificial lakes with no connectivity
<input type="checkbox"/> 3. Upland ditches with no connectivity to a TNW
<input type="checkbox"/> 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
<input type="checkbox"/> 5. Other

ADEQ Final Determination (1980's Rule) – Bull Tank AZL15050201-0220B

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Bull Tank	Evaluator:	Mackenzie Moore	
Reach Name:	32 31'13"/110 12'52"	Date:	10/7/2021	
WBID:	AZL15050201-0220B	Lat/Long:	32.52136, -110.21414	
Interpretation of Results:				
<p>Bull Tank (AZL15050201-0220B) is located within the Willcox Playa terminal basin (Figure 1). The USGS Raindrop Tool shows that the flowpath terminates shortly beyond Bull Tank (Figure 2).</p> <p>Bull Tank is located within the Willcox Playa terminal basin and is therefore not connected to a TNW and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Bull Tank AZL15050201-0220B is NON-WOTUS.</p> <p>Bull Tank is currently not listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>				



Figure 1. A WOTUS Webmap image showing that Bull Tank AZL15050201-0220B, pointed out by the blue arrow, lies within the Wilcox Playa terminal basin.

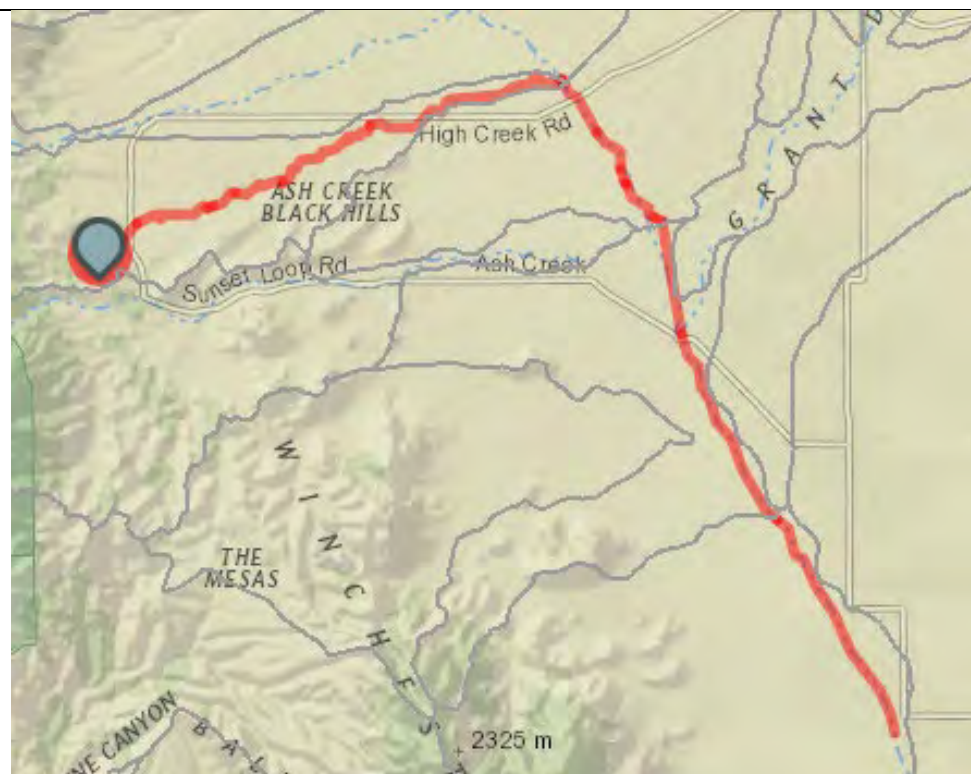



Figure 2. The Raindrop Tool from USGS traces a flowpath that terminates shortly beyond Bull Tank.

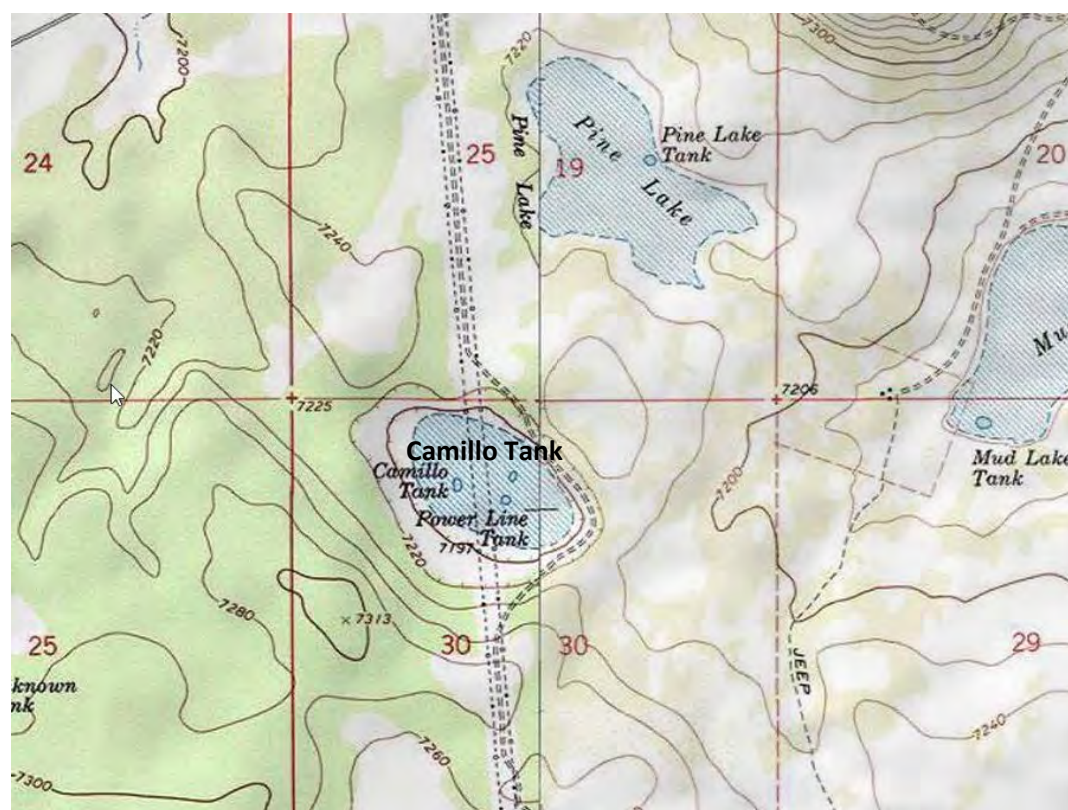
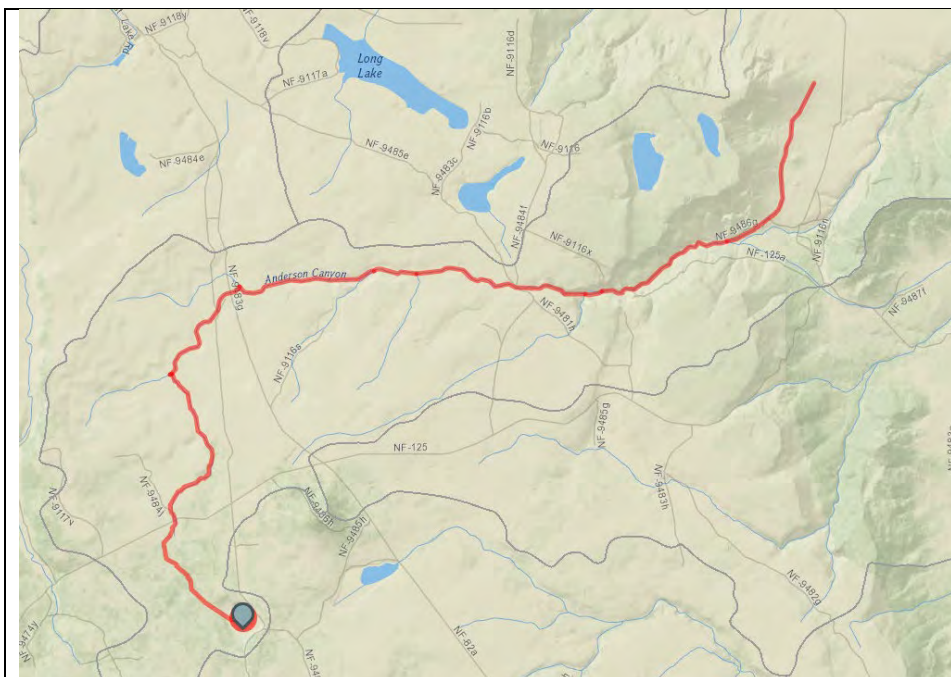
What is the non-WOTUS category for the Water Body?
(select one after all evaluations have been completed)?

☒ 1. Reach lies within a Terminal basin

<input type="checkbox"/> 2. Artificial lakes with no connectivity
<input type="checkbox"/> 3. Upland ditches with no connectivity to a TNW
<input type="checkbox"/> 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
<input type="checkbox"/> 5. Other

ADEQ Final Determination (1980's Rule), Camillo Tank 15020015-3070

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Camillo Tank	Evaluator:	Hans Huth, Colleen Cassidy	
Reach Name:		Date:	10/20/2021	
WBID:	15020015-3070	Lat/Long:	34.9175, -111.3778	
Interpretation of Results:				
<p>Camillo Tank (AZL15020015-3070) is located within Coconino County on the Coconino National Forest (Figure 1). The USGS Raindrop Tool erroneously shows a flowpath to Anderson Canyon, terminating about 10 miles to the northeast (Figure 2). The topo map indicates no inlets or outlets to or from Camillo Tank (Figure 3). This is an isolated basin.</p> <p>Camillo Tank is an isolated lake and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available imagery indicates that Camillo Tank is NON-WOTUS.</p> <p>Camillo Tank is not currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>				
				
<p>Figure 1. Boot Lake in Google Earth Pro (2021) that shows no outlet from Boot Lake</p>				



**What is the non-WOTUS category for the Water Body?
(select one after all evaluations have been completed)?**

- | |
|--|
| <input type="checkbox"/> 1. Reach lies within a Terminal basin |
| <input type="checkbox"/> 2. Artificial lakes with no connectivity |
| <input type="checkbox"/> 3. Upland ditches with no connectivity to a TNW |

<input checked="" type="checkbox"/> 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
<input type="checkbox"/> 5. Other

ADEQ Final Determination — Canal Park Lake/Evelyn Hallman Pond AZL15060106B-0240

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE		WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Conditions <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
	Waterbody Name: Canal Park Lake/Evelyn Hallman Pond		Evaluator:		Mackenzie Moore		
	Reach Name: COLLEGE AVENUE & CURRY ROAD @ 33 26'53.96"/111 56'19.40"		Date:		8/25/2021		
	WBID: AZL15060106B-0240		Lat/Long:		33.449147, -111.937589		
Interpretation of Results:							
<p>Evelyn Hallman Pond (AZL15060106B-0240), formerly called Canal Park Lake, is located in Tempe and was constructed in the 1970s. The lake is an artificial pond with a natural dirt edge and dirt bottom and has no outlet to a natural channel or downstream TNW (Figure 1). The USGS Raindrop Tool shows connectivity from Evelyn Hallman Pond to the Gila River, however this flow path is incorrect because there are no outlets and that flowpath is not observed in satellite imagery (Figure 2). Analysis of local topography indicates that Evelyn Hallman Pond is isolated (Figure 3).</p> <p>Additionally, in the Salt River Watershed chapter of the U.S. Fish and Wildlife Service and Arizona Game and Fish Department's <i>Biological Assessment of the Arizona Game and Fish Department's Statewide and Urban Fisheries Stocking Program</i> (2011), Evelyn Hallman Pond is stated to be a closed system waterbody because there is no drainage inflow, no outflow, and it does not have a spillway.</p> <p>Evelyn Hallman Pond is an exempted category (artificial lake/pond) and is not a WOTUS under the 1980's definition. The results of the WOTUS evaluation and all available data indicates that Canal Park Lake/Evelyn Hallman Pond AZL15060106B-0240 is NON-WOTUS.</p> <p>Recreational fishing is allowed with a class U Urban Fishing License from the Arizona Game and Fish Department.</p> <p>Evelyn Hallman Pond is listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p> <p>U.S. Fish and Wildlife Service. 2011. <i>Biological Assessment of the Arizona Game and Fish Department's Statewide and Urban Fisheries Stocking Program for the years 2011-2021</i>. Wildlife and Sport Fish Restoration Program, U.S. Fish and Wildlife Service, Albuquerque, NM.</p>							



Figure 1. Google Earth Pro imagery (2019) showing Evelyn Hall Pond and no outlet or channel to the Cross Cut Canal to the west.

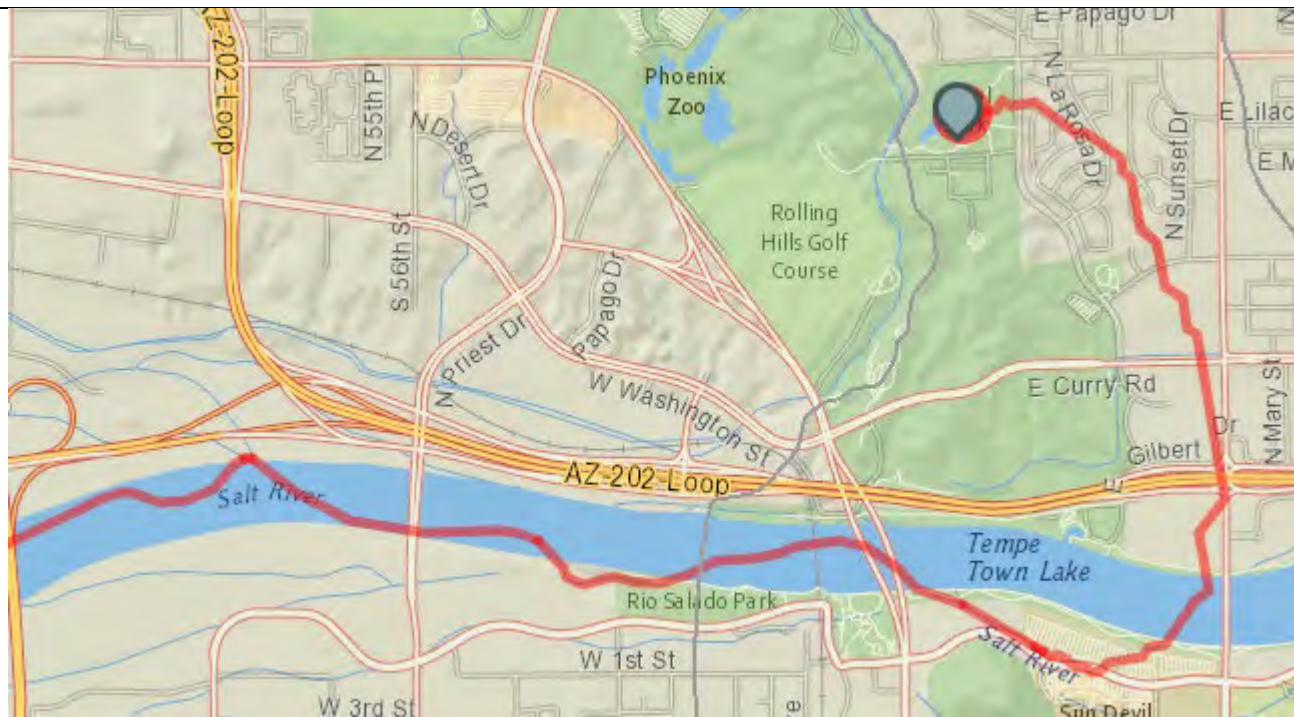


Figure 2. The Raindrop Tool from USGS erroneously shows a flow path from Evelyn Hall Pond to the Salt River and Gila River. The flow path goes through streets and highways demonstrating that it is an incorrect flow path.



Figure 3. Analysis of local topography using USGS NED contours indicates that Evelyn Hall Pond is isolated with no outlets.

What is the non-WOTUS category for the Water Body?
(select one after all evaluations have been completed)?

- ☐ 1. Ephemeral reach (no evidence of consistent flow or commercial/public use)
- ☐ 2. Reach lies within a Terminal basin
- ☒ 3. Artificial lakes and ponds
- ☐ 4. Artificially irrigated cropland
- ☐ 5. Hydrologically isolated or disconnected waterbody not connected to a TNW
- ☐ 6. Other

Known Uses of the Study Water Body (Document any known public uses of the water body including recreational (boating, kayaking, fishing, etc.), commercial, or academic)

Document any known public uses of the water body including recreational (boating, kayaking, fishing, etc.), commercial, or academic

Activity or Use	Source	Comments and supporting information
Recreational Fishing	Arizona Game & Fish	Stocked by AZ Game & Fish; recreational day use for fishing allowed with permit.

ADEQ Final Determination (1980's Rule), - Cortez Park Lake 15060106B-0410

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
	Waterbody Name: Cortez Park Lake			Evaluator: Corinne Johnson		
	Reach Name:			Date: 10/8/2021		
	WBID: AZL15060106B-0410			Lat/Long: 33.57036, -112.131636		
Interpretation of Results:						
<p>Cortez Park Lake (AZL15060106B-0410) is located within Cortez Park in Maricopa County. The lake is an artificial urban lake with a concrete perimeter and has no outlet to a natural channel or downstream TNW (Figure 1). The USGS Raindrop Tool shows connectivity from Cortez Park Lake to the Arizona Canal, however this flow path is incorrect because there are no channels or outlets and that flowpath is not observed in satellite imagery (Figure 2a and Figure 2b).</p> <p>Cortez Park Lake is an isolated urban lake and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available imagery indicates that Cortez Park Lake (AZL15060106B-0410) is NON-WOTUS.</p> <p>Cortez Park Lake is stocked by the Arizona Game and Fish Department and has recreational fishing.</p> <p>Cortez Park Lake is currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p> <p>Figures:</p>						



Figure 1: Cortez Park Lake is an urban lake with no outlets and is concrete lined.



Figure 2a: The USGS Raindrop tool shows an erroneous connection from Cortez Park Lake to the Colorado River.

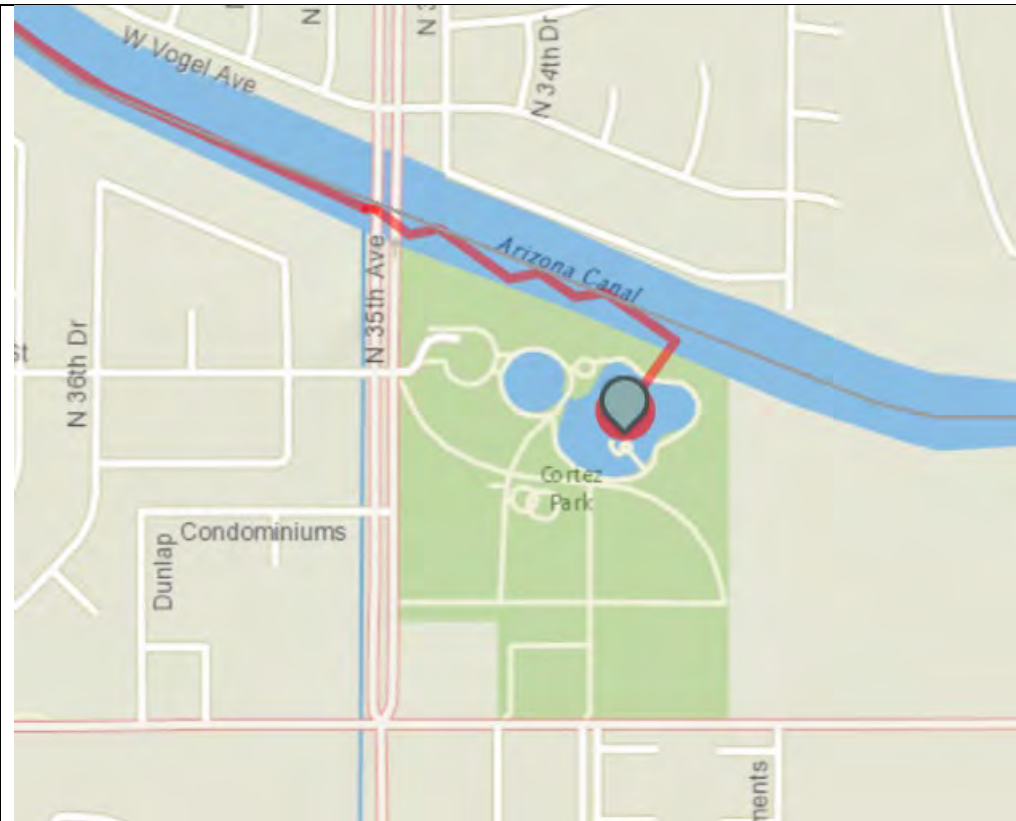


Figure 2b: The USGS Raindrop tool shows a connection from Cortez Park Lake to the Arizona Canal; however, there is no channel or outlet to suggest this connection possible.

What is the non-WOTUS category for the Water Body?
(select one after all evaluations have been completed)? Refer to the NWPR Fact Sheet

- ☐ 1. Reach lies within a Terminal basin
- ☒ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

Known Uses of the Study Water Body (Document any known public uses of the water body including recreational (boating, kayaking, fishing, etc.), commercial, or academic)

Activity or Use	Source	Comments and supporting information
Recreational fishing	AZGFD	

ADEQ Final Determination (1980's Rule) – Cottonwood Creek AZ15010007-008A

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Cottonwood Creek		Evaluator:	Mackenzie Moore	
Reach Name:	Headwaters to Tributary		Date:	10/7/2021	
WBID:	AZ15010007-008A		Lat/Long:	35.32687, -113.596065	
Interpretation of Results:					
<p>Cottonwood Creek (AZ15010007-008A) is located within the Hualapai Wash terminal basin (Figure 1). The USGS Raindrop Tool shows that the flowpath terminates shortly beyond Cottonwood Creek (Figure 2).</p> <p>Cottonwood Creek is located within the Hualapai Wash terminal basin and is therefore not connected to a TNW and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Cottonwood Creek AZ15010007-008A is NON-WOTUS.</p> <p>Cottonwood Creek is currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>					

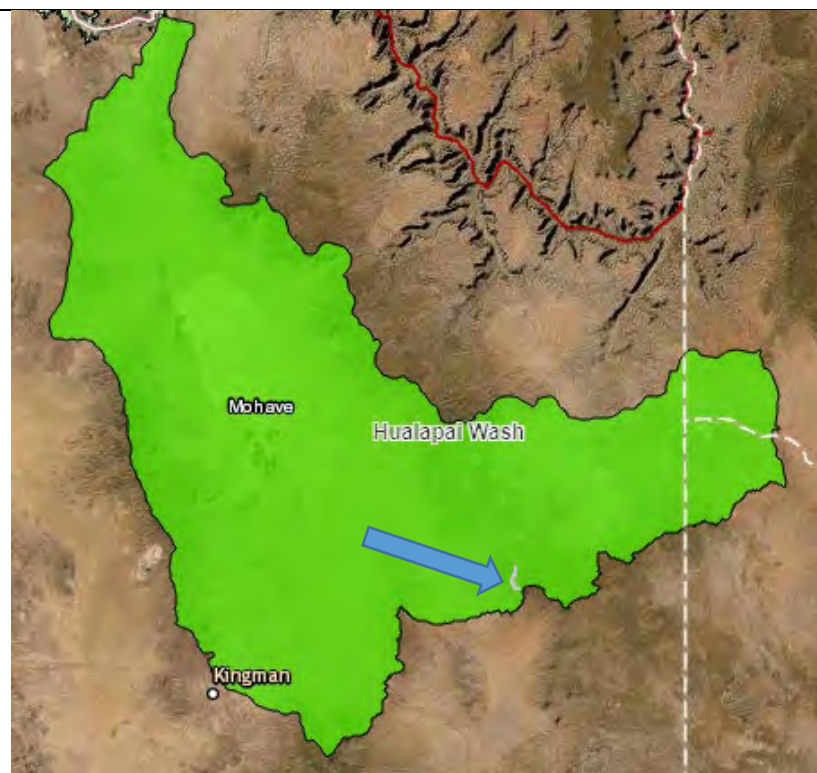


Figure 1. Aerial imagery from the WOTUS Webmap with the Terminal Basins Under the 1980s WOTUS Rule turned on shows that Cottonwood Creek lies within the Hualapai Wash terminal basin.



Figure 2. The Raindrop Tool from USGS traces a flowpath that terminates shortly beyond Cottonwood Creek and before it reaches a TNW.

What is the non-WOTUS category for the Water Body?

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination (1980's Rule) – Cottonwood Creek AZ15010007-008B

Final WOTUS Evaluation	<div style="border: 2px solid black; border-radius: 50%; padding: 10px; display: inline-block;"> NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT </div>		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Cottonwood Creek		Evaluator:	Mackenzie Moore	
Reach Name:	Tributary to Terminus		Date:	10/7/2021	
WBID:	AZ15010007-008B		Lat/Long:	35.364221, -113.621769	
Interpretation of Results:					
<p>Cottonwood Creek (AZ15010007-008B) is located within the Hualapai Wash terminal basin (Figure 1). The USGS Raindrop Tool shows that the flowpath terminates shortly beyond Cottonwood Creek (Figure 2).</p> <p>Cottonwood Creek is located within the Hualapai Wash terminal basin and is therefore not connected to a TNW and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Cottonwood Creek AZ15010007-008B is NON-WOTUS.</p> <p>Cottonwood Creek is currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>					

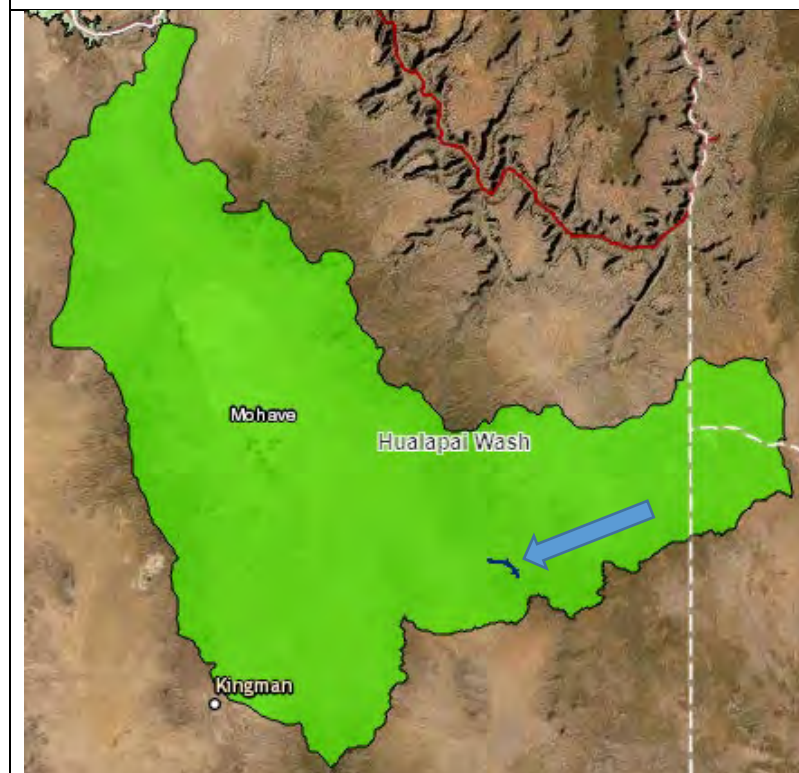


Figure 1. Aerial imagery from the WOTUS Webmap with the Terminal Basins Under the 1980s WOTUS Rule turned on shows that Cottonwood Creek lies within the Hualapai Wash terminal basin.



Figure 2. The Raindrop Tool from USGS traces a flowpath that terminates shortly beyond Cottonwood Creek and before it reaches a TNW.

What is the non-WOTUS category for the Water Body?
(select one after all evaluations have been completed)?

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination (1980's Rule) – Cottonwood Creek AZ15010007-008C

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Cottonwood Creek		Evaluator:	Mackenzie Moore	
Reach Name:	35°21'54.35"/113°38'31.29" to Truxton Wash		Date:	10/7/2021	
WBID:	AZ15010007-008C		Lat/Long:	35.36492, -113.654341	

Interpretation of Results:

Cottonwood Creek (AZ15010007-008C) is located within the Hualapai Wash terminal basin (Figure 1). The USGS Raindrop Tool shows that the flowpath terminates shortly beyond Cottonwood Creek (Figure 2).

Cottonwood Creek is located within the Hualapai Wash terminal basin and is therefore not connected to a TNW and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Cottonwood Creek AZ15010007-008C is NON-WOTUS.

Cottonwood Creek is currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.

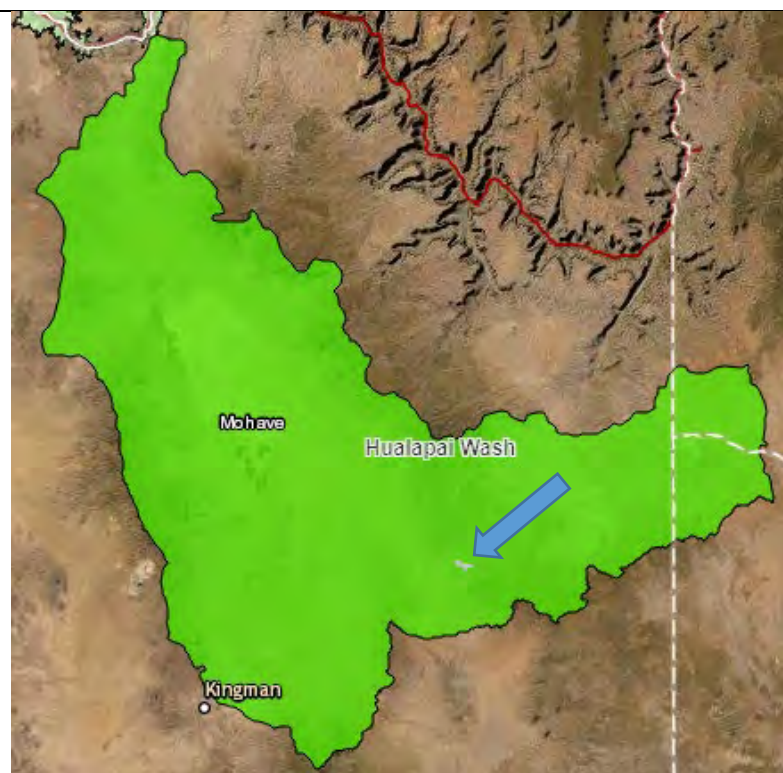


Figure 1. Aerial imagery from the WOTUS Webmap with the Terminal Basins Under the 1980s WOTUS Rule turned on shows that Cottonwood Creek lies within the Hualapai Wash terminal basin.



Figure 2. The Raindrop Tool from USGS traces a flowpath that terminates shortly beyond Cottonwood Creek and before it reaches a TNW.

What is the non-WOTUS category for the Water Body?
(select one after all evaluations have been completed)?

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination — Desert Breeze Lake AZL15050100-0475

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
	Waterbody Name:	Desert Breeze Lake		Evaluator:	Mackenzie Moore
	Reach Name:	URBAN LAKE; Desert Breeze Blvd East		Date:	8/23/2021
	WBID:	AZL15050100-0475		Lat/Long:	33.313061, -111.91969
Interpretation of Results:					
<p>Desert Breeze Lake (AZL15050100-0475) is located within Desert Breeze Park in Chandler. The lake is an artificial pond/lake with a sealed bottom and concrete perimeter and has no outlet to a natural channel or downstream TNW (Figure 1). The USGS Raindrop Tool shows connectivity from Desert Breeze Lake to Firebird Lake, however this flow path is incorrect because there are no outlets and that flowpath is not observed in satellite imagery (Figure 2). Additionally, in the Salt River Watershed chapter of the U.S. Fish and Wildlife Service and Arizona Game and Fish Department's <i>Biological Assessment of the Arizona Game and Fish Department's Statewide and Urban Fisheries Stocking Program</i> (2011), Desert Breeze Lake is stated to be a closed system waterbody because there is no drainage inflow, no outflow, and it does not have a spillway.</p> <p>Desert Park Lake is an isolated and artificial lake and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Desert Breeze Lake AZL15050100-0475 is NON-WOTUS.</p> <p>Recreational fishing is allowed with a class U Urban Fishing License from the Arizona Game and Fish Department.</p> <p>Desert Breeze Lake is listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p> <p>U.S. Fish and Wildlife Service. 2011. <i>Biological Assessment of the Arizona Game and Fish Department's Statewide and Urban Fisheries Stocking Program for the years 2011-2021</i>. Wildlife and Sport Fish Restoration Program, U.S. Fish and Wildlife Service, Albuquerque, NM.</p>					



Figure 1. Google Earth Pro imagery (2017) showing Desert Breeze Lake with no outlet.

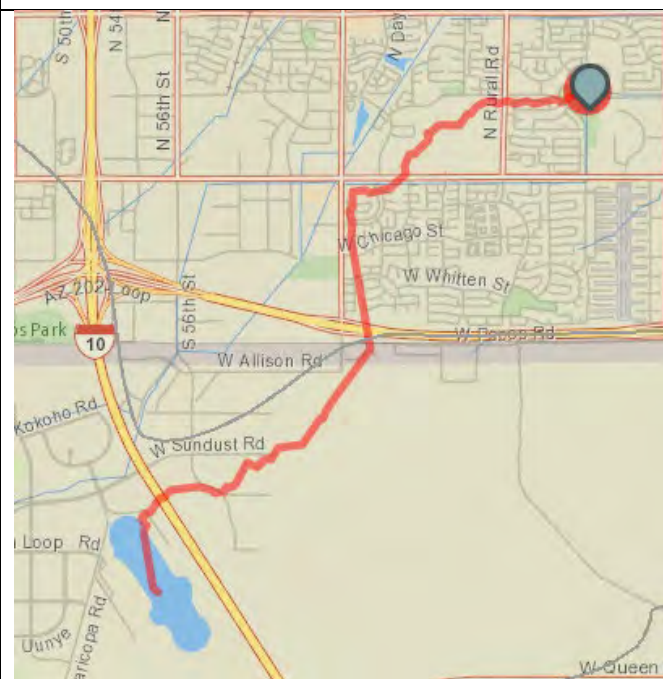


Figure 2. The Raindrop Tool from USGS erroneously shows a flow path from Desert Breeze Lake to Firebird Lake.

**What is the non-WOTUS category for the Water Body?
(select one after all evaluations have been completed)?**

- ☐ 1. Ephemeral reach (no evidence of consistent flow or commercial/public use)
- ☐ 2. Reach lies within a Terminal basin
- ☒ 3. Artificial lakes and ponds
- ☐ 4. Artificially irrigated cropland
- ☐ 5. Hydrologically isolated or disconnected waterbody not connected to a TNW
- ☐ 6. Other

Known Uses of the Study Water Body		
Activity or Use	Source	Comments and supporting information
Recreational Fishing	Arizona Game & Fish	Stocked by AZ Game & Fish; recreational day use for fishing allowed with permit.

ADEQ Final Determination – Dobson Ranch Lake 2 AZL15050100-0477B

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Dobson Ranch Lake 2	Evaluator:	Colleen Cassidy	
Reach Name:		Date:	9/8/2021	
WBID:	AZL15050100-0477B	Lat/Long:	33.368558, -111.886925	
Interpretation of Results:				
<p>Dobson Ranch Lake 2 (AZL15060106B-5000) is located in central Arizona in the City of Mesa. Dobson Ranch Lake 2 is an artificial pond that is concrete lined (Figure 1). The Raindrop tool does not show a path to a TNW (Figure 2). There is no in flow or outflow to or from the lake (personal communication, City of Mesa, 2021). Topographic imagery also shows that the Dobson Ranch Lake 2 has no connectivity to downstream waterbodies (Figure 3).</p> <p>All available imagery and information indicates that Dobson Ranch Lake 2 is an artificial, isolated lake that has no connectivity to a TNW, and therefore has a final determination of non-WOTUS under the 1980's definition of WOTUS.</p> <p>Dobson Ranch Lake 2 is listed on the draft AZ Protected Surface Water List of the state Surface Water Protection Program.</p>				



Figure 1. Google Earth Pro Imagery (2021) shows no outlet from the pond.

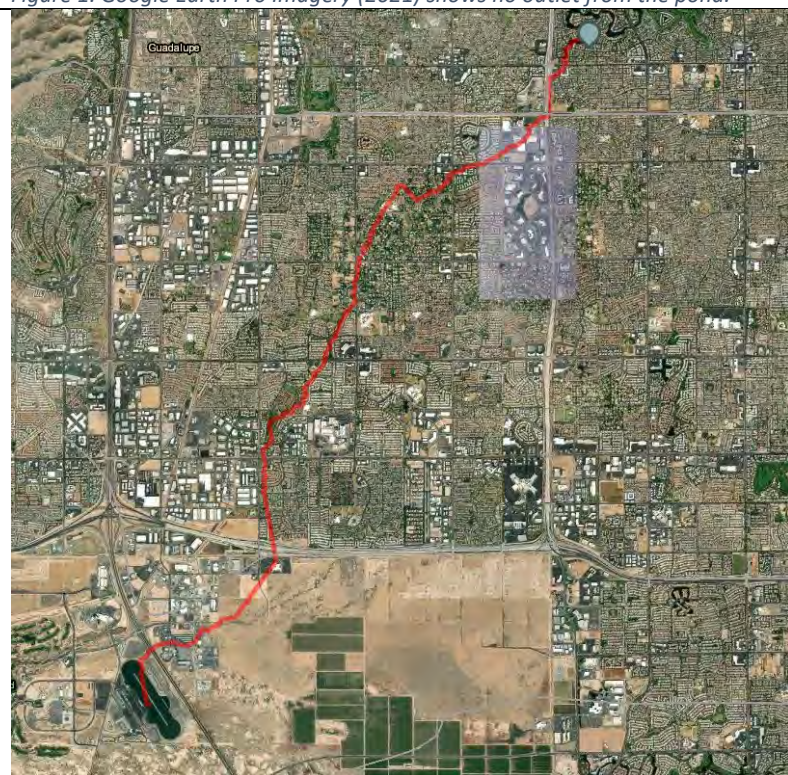


Figure 2. The USGS Raindrop tool shows an erroneous flow path through neighborhoods.



Figure 3. Topographic imagery shows that Dobson Ranch Lake 2 does not have connectivity to other waterbodies and is isolated.

What is the non-WOTUS category for the Water Body?

- ☐ 1. Reach lies within a Terminal basin
- ☒ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination – Dry Lake (EDW) AZL15020008-0021

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Dry Lake (EDW)	Evaluator:	Colleen Cassidy	
Reach Name:		Date:	9/8/2021	
WBID:	AZL15020008-0021	Lat/Long:	34.633865, -110.395285	
Interpretation of Results:				
<p>Dry Lake (EDW) (AZL15020008-0021) is located in eastern Arizona in Navajo County. Dry Lake (EDW) is an artificial pond and has an intermittent status (Figure 1). The Raindrop tool does not show a path to a TNW and there is no evidence of an outlet or connectivity (Figure 2). Phoenix Park Wash and Scott Wash flow into the lake from the south. Topographic imagery also shows that the lake is isolated and located within a terminal basin (Figure 3).</p> <p>All available imagery and information indicates that Dry Lake (EDW) is located within a terminal basin that has no connectivity to a TNW, and therefore has a final determination of non-WOTUS under the 1980's definition of WOTUS.</p> <p>Dry Lake (EDW) is listed on the draft AZ Protected Surface Water List of the state Surface Water Protection Program.</p>				



Figure 1. Dry Lake (EDW) is estimated to be intermittent based on aerial imagery and has no visible outlets or channels to downstream waterbodies.



Figure 2. The USGS Raindrop tool shows no path to a TNW and no outlet from the pond, only possible inflow from Phoenix Park Wash.

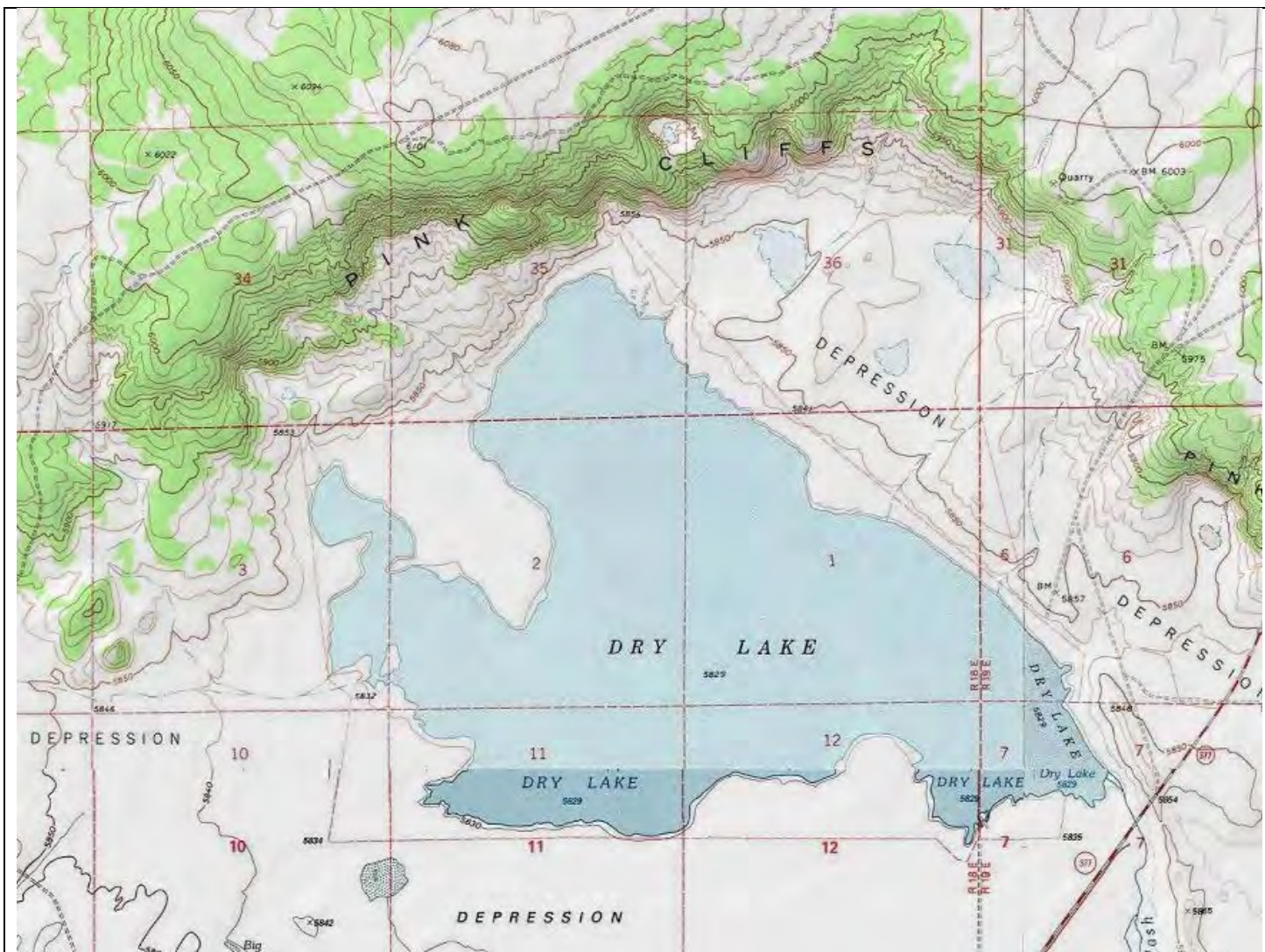


Figure 3. Topographic imagery shows that Dry Lake does not have connectivity to any downstream waterbodies and is a terminal basin.

What is the non-WOTUS category for the Water Body?

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination — Encanto Park Lake AZL15060106B-0510

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet	
Waterbody Name:	Encanto Park Lake	Evaluator:	Mackenzie Moore	
Reach Name:	URBAN LAKE; 15TH AVENUE & ENCANTO BLVD	Date:	8/20/2021	
WBID:	AZL15060106B-0510	Lat/Long:	33.47663, -112.088877	
Interpretation of Results:				
<p>Encanto Park Lake (AZL15060106B-0510) is located within Encanto Park in Phoenix. The lake is an artificial urban lake with a concrete perimeter and has no outlet to a natural channel or downstream TNW (Figure 1). The USGS Raindrop Tool shows connectivity from Encanto Park Lake to the Salt River, however this flow path is incorrect because there are no channels or outlets and that flowpath is not observed in satellite imagery (Figure 2a and 2b). Additionally, in the Salt River Watershed chapter of the U.S. Fish and Wildlife Service and Arizona Game and Fish Department's <i>Biological Assessment of the Arizona Game and Fish Department's Statewide and Urban Fisheries Stocking Program</i> (2011), Encanto Park Lake is stated to be a closed system waterbody because there is no drainage inflow, no outflow, and it does not have a spillway. Topographic imagery also shows that Encanto Park Lake does not have connectivity to any other waterbodies (Figure 3).</p> <p>Encanto Park is an artificial lake and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Encanto Park Lake AZL15060106B-0510 is NON-WOTUS.</p> <p>Recreational fishing is allowed with a Class U Urban Fishing License from the Arizona Game and Fish Department.</p> <p>Encanto Park Lake is listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p> <p>U.S. Fish and Wildlife Service. 2011. <i>Biological Assessment of the Arizona Game and Fish Department's Statewide and Urban Fisheries Stocking Program for the years 2011-2021</i>. Wildlife and Sport Fish Restoration Program, U.S. Fish and Wildlife Service, Albuquerque, NM.</p>				

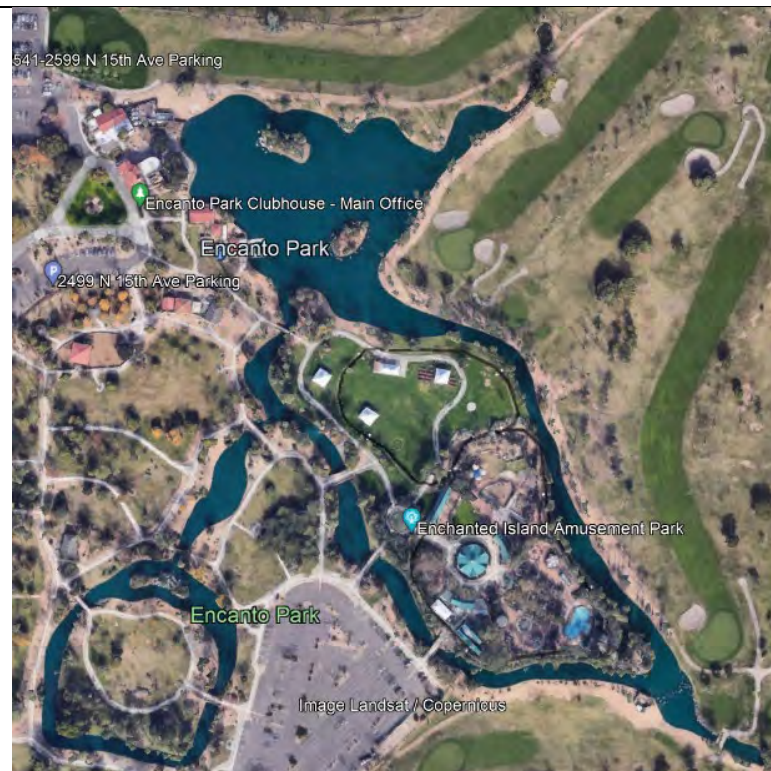


Figure 1. Google Earth Pro imagery (2019) showing Encanto Park Lake and no outlet.



Figure 2a. The Raindrop Tool from USGS erroneously shows a flow path from Encanto Park Lake to the Salt River.

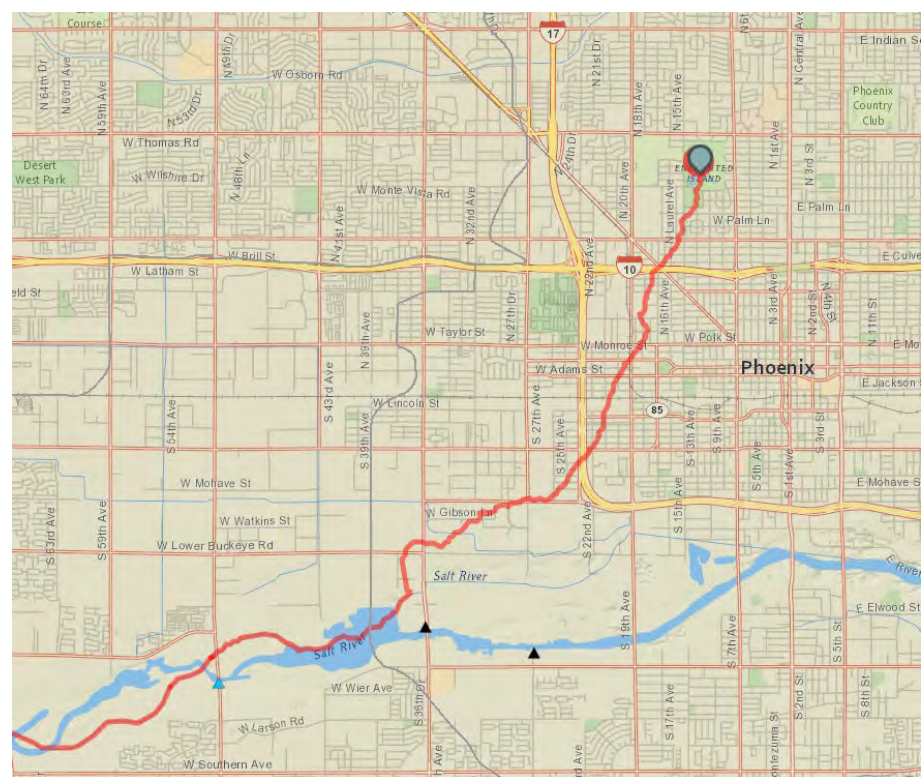


Figure 2b. A zoomed in image of the flowpath traced by the Raindrop Tool from USGS. The flowpath crosses streets and highways where no channels or waterbodies are present, demonstrating that the connection from Encanto Park Lake to the Salt River is incorrect.



Figure 3. Topographic imagery shows that Encanto Park Lake is isolated and does not have connectivity to other waterbodies.

What is the non-WOTUS category for the Water Body?

- ☐ 1. Reach lies within a Terminal basin
- ☒ 2. Artificial lakes and ponds
- ☐ 3. Artificially irrigated cropland
- ☐ 4. Hydrologically isolated or disconnected waterbody not connected to a TNW
- ☐ 5. Other

Known Uses of the Study Water Body

Activity or Use	Source	Comments and supporting information
Recreational Fishing	Arizona Game & Fish	Stocked by AZ Game & Fish; recreational day use for fishing allowed with permit.

ADEQ Final Determination (1980's Rule), - Frees Wash AZ15010007-194


Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Frees Wash		Evaluator:	Corinne Johnson	
Reach Name:	Headwaters to terminus at 35.402264, -113.899761		Date:	10/8/21	
WBID:	AZ15010007-194		Lat/Long:	35.142156, -113.88938	
Interpretation of Results:					
<p>Frees Wash (AZ15010007-194) is located in the Hualapai Wash terminal basin in Mohave county (Figure 1). The wash does not connect to a TNW as indicated by the USGS Raindrop Tool, but rather terminates in the Hualapai Wash Basin (Figure 2).</p> <p>Frees Wash lies within a terminal basin and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available imagery indicates that Frees Wash is NON-WOTUS.</p> <p>Frees Wash is not currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>					
<p>Figures:</p> 					
<p>Figure 1: Frees Wash (designated with an arrow) lies entirely in the Hualapai Wash terminal basin.</p>					



Figure 2: USGS Raindrop tool shows no connection to a TNW and terminates within Hualapai Wash Terminal Basin.

What is the non-WOTUS category for the Water Body?
(select one after all evaluations have been completed)? Refer to the NWPR Fact Sheet

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination (1980's Rule) – Goudy Canyon Wash AZ15050201-030

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Goudy Canyon Wash	Evaluator:	Corinne Johnson	
Reach Name:	Headwaters to Terminus at 32.587039, -109.977467	Date:	10/8/21	
WBID:	AZ15050201-030	Lat/Long:	32.667099, -109.948258	

Interpretation of Results:

Goudy Canyon Wash (AZ15050201-030) is located in the Willcox Playa terminal basin in Graham county (Figure 1). The wash does not connect to a TNW and terminates in the greater Willcox Playa basin (Figure 2).

Goudy Canyon Wash lies in a terminal basin and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Goudy Canyon Wash (AZ15050201-030) is NON-WOTUS.

Goudy Canyon Wash is currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.

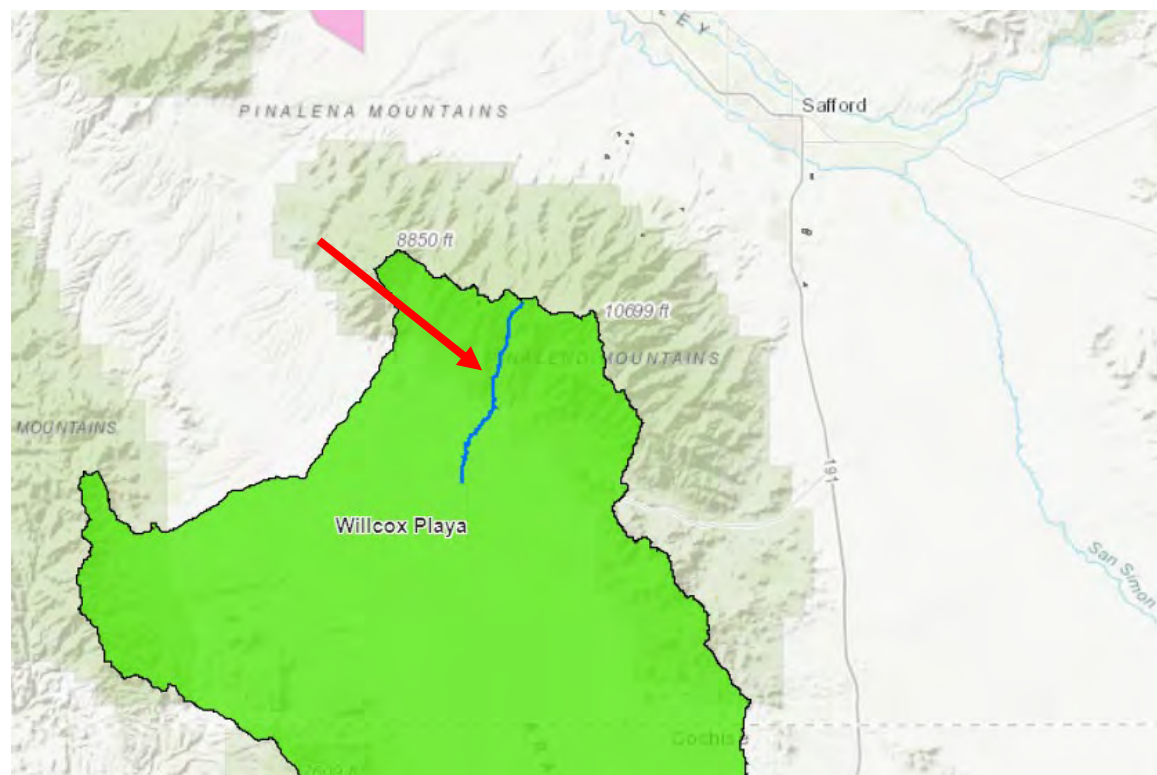


Figure 1. Goudy Canyon Wash (designated with an arrow) lies entirely in the Willcox Playa terminal basin.



Figure 2. USGS Raindrop tool shows no connection to a TNW and terminates within the greater Willcox Playa Basin.

What is the non-WOTUS category for the Water Body?

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination – Granada Park Lake AZL15060106B-3150A

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
	Waterbody Name: Granada Park Lake			Evaluator: Mackenzie Moore		
	Reach Name: 6505 North 20th Street, Phoenix at 33°31'56"/112°02'16"			Date: 9/8/2021		
	WBID: AZL15060106B-3150A			Lat/Long: 33.532311, -112.03754		
Interpretation of Results:						
<p>Granada Park Lake (AZL15060106B-3150A) is located in Phoenix's Granada Park. The lake is an artificial urban lake with a concrete perimeter and has no outlet to a natural channel or downstream TNW (Figure 1). The USGS Raindrop Tool shows connectivity from Granada Park Lake to the Gila River, however this flow path is incorrect because there are no channels or outlets and that flowpath is not observed in satellite imagery imagery (Figure 2a and 2b). Additionally, in the Salt River Watershed chapter of the U.S. Fish and Wildlife Service and Arizona Game and Fish Department's <i>Biological Assessment of the Arizona Game and Fish Department's Statewide and Urban Fisheries Stocking Program</i> (2011), Granada Park Lake is stated to be a closed system waterbody because there is no drainage inflow, no outflow, and it does not have a spillway. Additionally, the topographic map shows that Granada Park Lake is isolated and does not have connectivity to any other waterbodies (Figure 3).</p> <p>Granada Park is an isolated and artificial urban lake and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Granada Park Lake AZL15060106B-3150A is NON-WOTUS.</p> <p>Recreational fishing is allowed with a Class U Urban Fishing License from the Arizona Game and Fish Department.</p> <p>Granada Park Lake is listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>						



Figure 1. Google Earth imagery of Granada Park Lake. There are no visible outlets present and the perimeter is concrete.

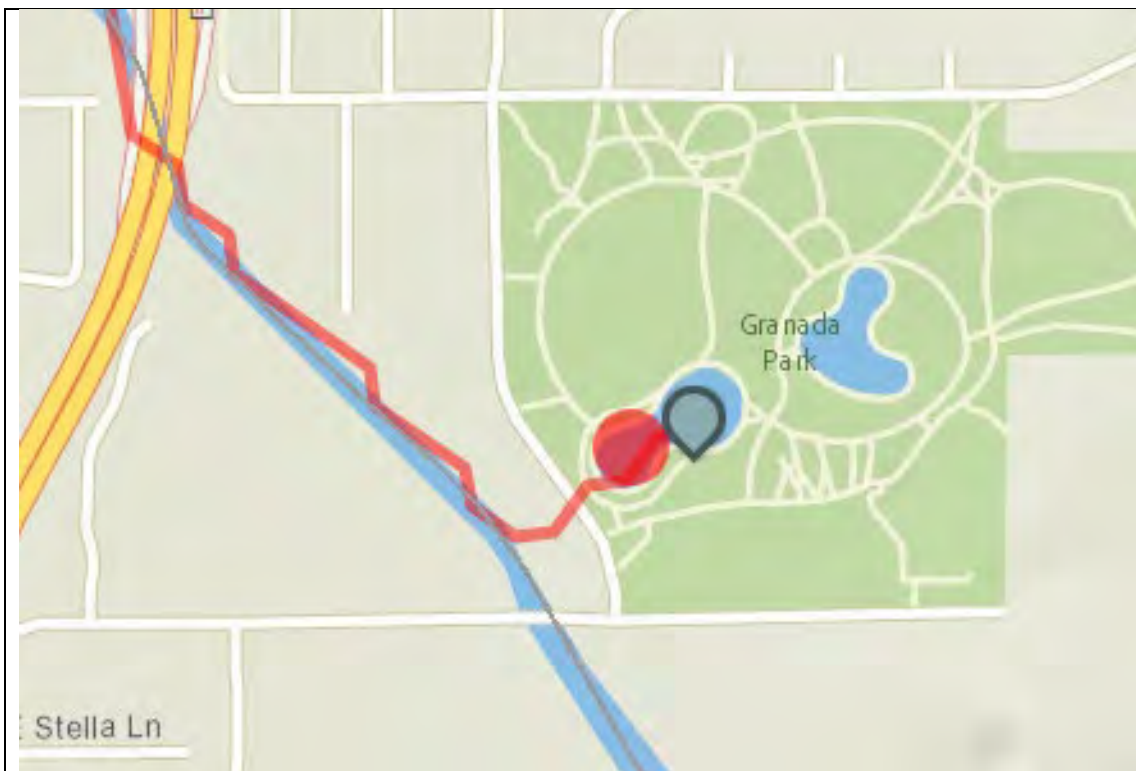


Figure 2a. The USGS Raindrop tool flow path for Granada Park Lake zoomed in to show that the flow path connects to the Arizona Canal from the park with no channels or outlets shown.



Figure 2b. The USGS Raindrop tool incorrectly shows a flow path from Granada Park Lake to the Gila River TNW.



Figure 3. Topographic map of Granada Park Lake shows that the lake is isolated.

What is the non-WOTUS category for the Water Body?

- ☐ 1. Reach lies within a Terminal basin
- ☒ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

Known Uses of the Study Water Body

Activity or Use	Source	Comments and supporting information
Fishing	Arizona Game & Fish	Stocked by AZ Game & Fish; recreational day use for fishing allowed with permit.

ADEQ Final Determination (1980's Rule) – Grant Creek AZ15050201-033A

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Grant Creek		Evaluator:	Mackenzie Moore	
Reach Name:	Headwaters to Unnamed Tributary		Date:	10/12/2021	
WBID:	AZ15050201-033A		Lat/Long:	32.662177, -109.918056	

Interpretation of Results:

Grant Creek (AZ15050201-033A) is located within the Willcox Playa terminal basin (Figure 1). The USGS Raindrop Tool shows that the flowpath terminates shortly beyond Grant Creek in Willcox Playa (Figure 2).

Grant Creek is located within the Willcox Playa terminal basin and is therefore not connected to a TNW and is not a WOTUS under the 1980's definition of WOTUS (Figure 3 and 4). The results of the WOTUS evaluation and all available data indicates that Grant Creek AZ15050201-033A is NON-WOTUS.

Grant Creek is currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.



Figure 1. Aerial imagery from the WOTUS Webmap with the Terminal Basins Under the 1980s WOTUS Rule layer turned on shows that Grant Creek lies entirely within the Willcox Playa terminal basin.



Figure 2. The Raindrop Tool from USGS traces a flowpath that terminates in the Willcox Playa terminal basin and before reaching a TNW.



Figure 3. Google Earth Pro Imagery (2021) of the downstream portion of Grant Creek (15050201-033A).

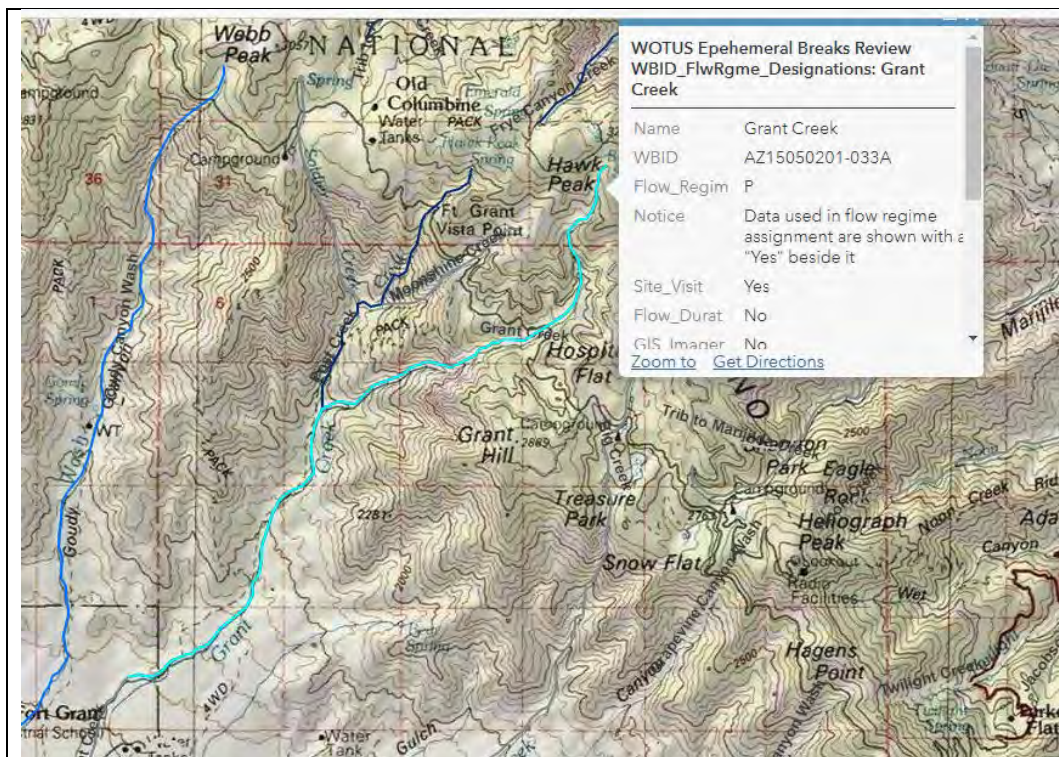


Figure 4. Topographic map from the WOTUS webmap showing Grant Creek (15050201-033A).

What is the non-WOTUS category for the Water Body?

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination (1980's Rule) – Grant Creek AZ15050201-033B

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Grant Creek		Evaluator:	Mackenzie Moore	
Reach Name:	Unnamed Tributary to Terminus		Date:	10/12/2021	
WBID:	AZ15050201-033B		Lat/Long:	32.623727, -109.951359	
Interpretation of Results:					
<p>Grant Creek (AZ15050201-033B) is located within the Willcox Playa terminal basin (Figure 1). The USGS Raindrop Tool shows that the flowpath terminates shortly beyond Grant Creek in Willcox Playa (Figure 2).</p> <p>Grant Creek is located within the Willcox Playa terminal basin and is therefore not connected to a TNW and is not a WOTUS under the 1980's definition of WOTUS (Figure 3 and 4). The results of the WOTUS evaluation and all available data indicates that Grant Creek AZ15050201-033B is NON-WOTUS.</p> <p>Grant Creek is currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>					



Figure 1. Aerial imagery from the WOTUS Webmap with the Terminal Basins Under the 1980s WOTUS Rule layer turned on shows that Grant Creek lies entirely within the Willcox Playa terminal basin.

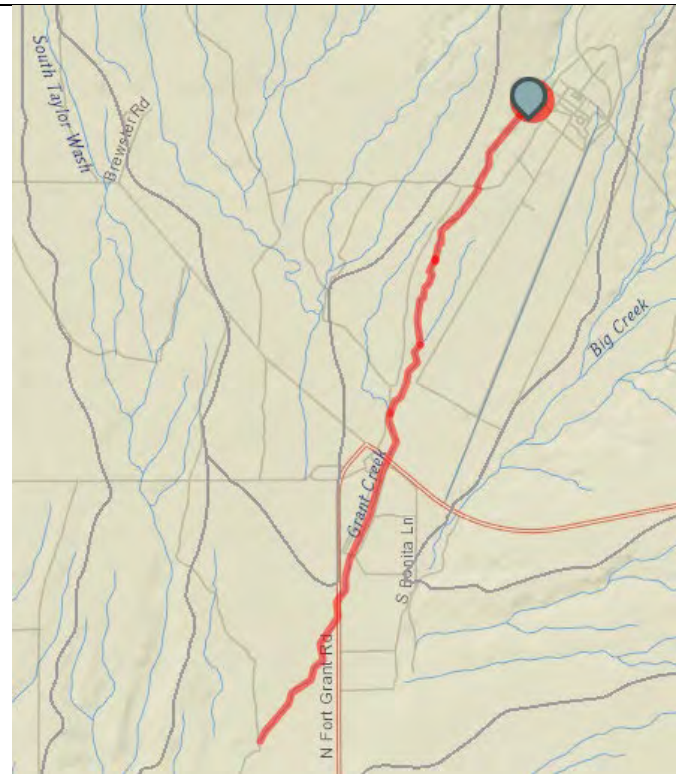


Figure 2. The Raindrop Tool from USGS traces a flowpath that terminates in the Willcox Playa and before reaching a TNW.



Figure 3. Google Earth Pro Imagery (2021) showing Grant Creek (15050201-033B) terminating (red circle) near Agricultural fields.

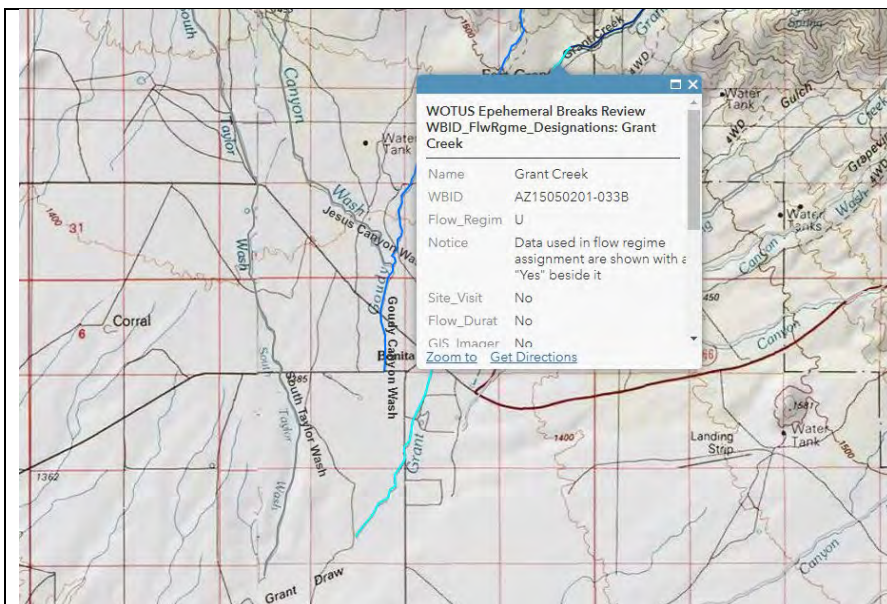


Figure 4. Topographic map in the WOTUS webmap showing the terminus of Grant Creek (15050201-033B).

What is the non-WOTUS category for the Water Body?

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination (1980's Rule) – High Creek AZ15050201-001A

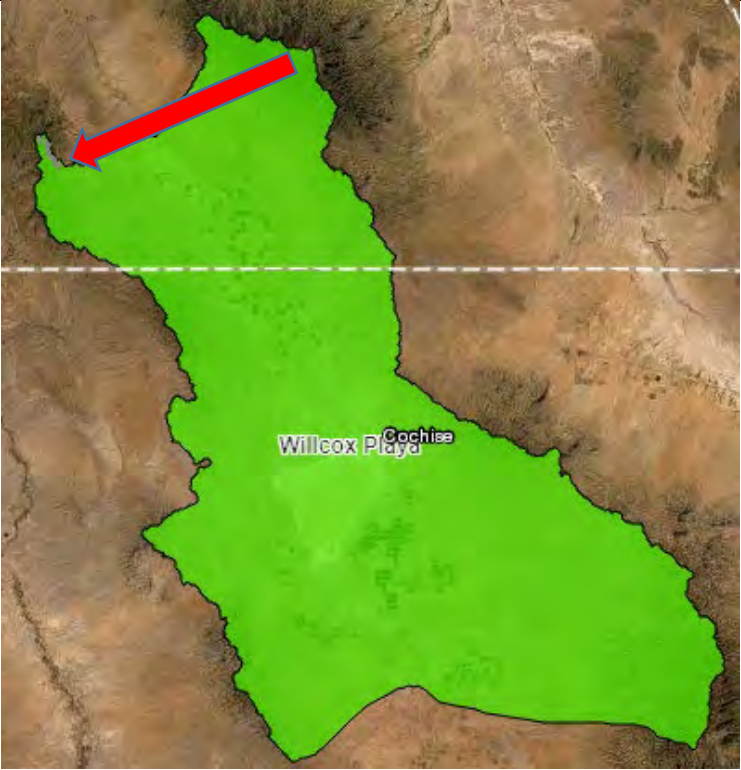
Final WOTUS Evaluation	<div style="border: 2px solid black; border-radius: 50%; padding: 10px; display: inline-block; background-color: red; color: white; text-align: center;"> NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT </div>		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	High Creek		Evaluator:	Mackenzie Moore	
Reach Name:	Headwaters to Unnamed Tributary		Date:	10/8/2021	
WBID:	AZ15050201-001A		Lat/Long:	32.566389, -110.258496	
Interpretation of Results:					
<p>High Creek (AZ15050201-001A) is located within the Willcox Playa terminal basin (Figure 1). The USGS Raindrop Tool shows that the flowpath terminates in the greater Willcox Playa area (Figure 2).</p> <p>High Creek is located within the Willcox Playa terminal basin and is therefore not connected to a TNW and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that High Creek AZ15050201-001A is NON-WOTUS.</p> <p>High Creek is currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>					
					
<p>Figure 1. High Creek lies within the Willcox Playa terminal basin (ADEQ WOTUS Webmap)</p>					

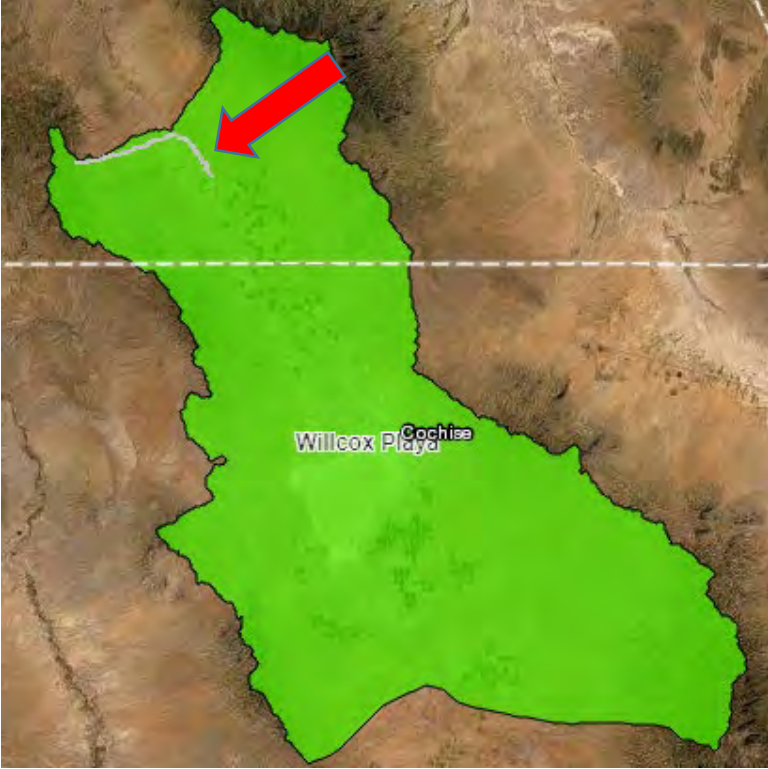


Figure 2. The Raindrop Tool from USGS traces a flowpath from High Creek that terminates in the greater Willcox Playa area.

What is the non-WOTUS category for the Water Body?

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination (1980's Rule) – High Creek AZ15050201-001B

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	High Creek	Evaluator:	Mackenzie Moore		
Reach Name:	Unnamed Tributary to Ash Creek	Date:	10/8/2021		
WBID:	AZ15050201-001B	Lat/Long:	32.564236, -110.16482		
Interpretation of Results:					
<p>High Creek (AZ15050201-001B) is located within the Willcox Playa terminal basin (Figure 1). The USGS Raindrop Tool shows that the flowpath terminates in Willcox Playa (Figure 2).</p> <p>High Creek is located within the Willcox Playa terminal basin and is therefore not connected to a TNW and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that High Creek AZ15050201-001B is NON-WOTUS.</p> <p>High Creek is currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>					
					
<p>Figure 1. High Creek lies within the Willcox Playa terminal basin (ADEQ WOTUS Webmap)</p>					

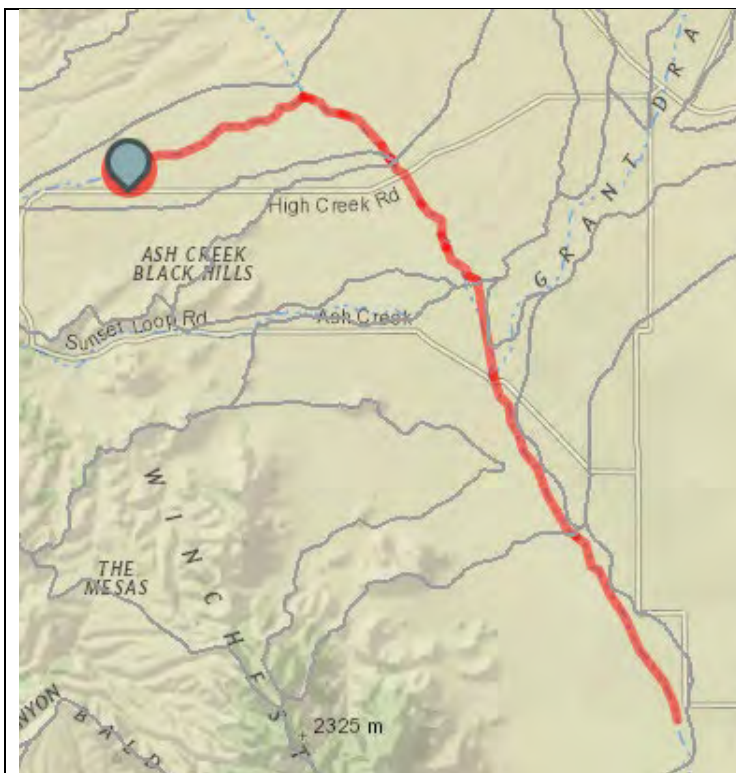



Figure 2. The Raindrop Tool from USGS traces a flowpath from High Creek that terminates in Willcox Playa

What is the non-WOTUS category for the Water Body?
(select one after all evaluations have been completed)?

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination (1980's Rule) – Lake Cochise AZL15050201-0508

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Lake Cochise	Evaluator:	Mackenzie Moore	
Reach Name:		Date:	10/7/2021	
WBID:	AZL15050201-0508	Lat/Long:	32.230188, -109.824707	
Interpretation of Results:				
<p>Lake Cochise (AZL15050201-0508) is located within the Willcox Playa terminal basin in Willcox (Figure 1,2). The USGS Raindrop Tool shows that the flowpath terminates shortly beyond Lake Cochise within the larger Willcox Playa basin (Figure 3). There is no outlet from Willcox Playa so any drainage from Lake Cochise flows into the terminal basin.</p> <p>Lake Cochise is located within the Willcox Playa terminal basin and is therefore not connected to a TNW and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available imagery indicates that Lake Cochise is NON-WOTUS.</p> <p>Lake Cochise is currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>				
				
<p>Figure 1. Lake Cochise in Google earth image 2-20-16</p>				

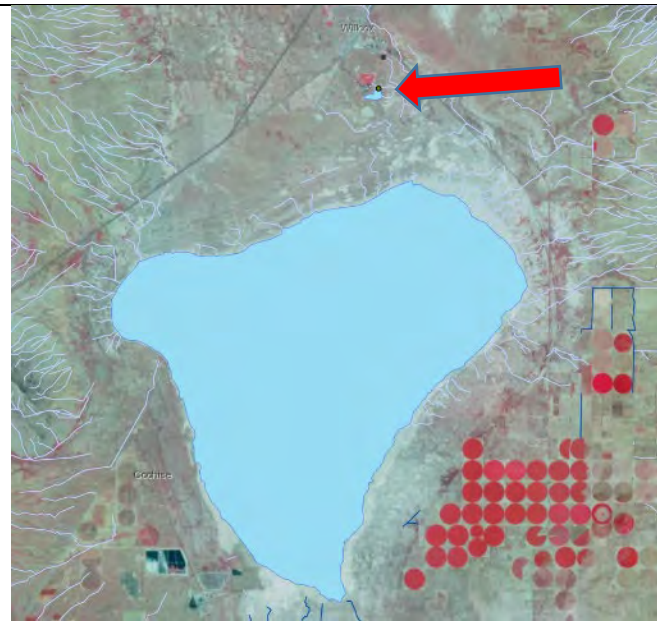


Figure 2. Aerial imagery of greater Willcox Playa terminal basin including Lake Cochise.



Figure 3. The USGS Raindrop Tool traces a flowpath from Lake Cochise that terminates within the Willcox Playa.

What is the non-WOTUS category for the Water Body?
(select one after all evaluations have been completed)? Refer to the NWPR Fact Sheet

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination (1980's Rule) - Little Ortega Lake, AZL15020002-0800


Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Little Ortega Lake	Evaluator:	Kyle Richards	
Reach Name:		Date:	10/20/2021	
WBID:	AZL15020002-0800	Lat/Long:	34.379993/-109.66877	
Interpretation of Results:				
<p>Little Ortega Lake (AZL15020002-0800) is located approximately 20 miles northeast of Show Low, Arizona. The lake is an isolated lake at the terminus of Mineral Creek and has no outlet to a natural channel or downstream TNW (Figure 1 2). The USGS Raindrop Tool shows no connectivity from Little Ortega Lake to any nearby waterbodies (Figure 3). Additional NED 2m contour analysis shows Little Ortega Lake as an isolated lake within a small disconnected watershed (Figure 4).</p> <p>Little Ortega Lake is an isolated lake and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available imagery indicates that Little Ortega Lake is NON-WOTUS.</p> <p>Little Ortega Lake is not currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>				
				
<p>Figure 1: Topo map showing Little Ortega Lake with no outlet channels (Mineral Creek to the southeast is flowing into the lake).</p>				



Figure 2. Little Ortega Lake, Google earth (9/2010)



Figure 3: USGS Raindrop Tool showing connectivity from Little Ortega Lake to downstream waters

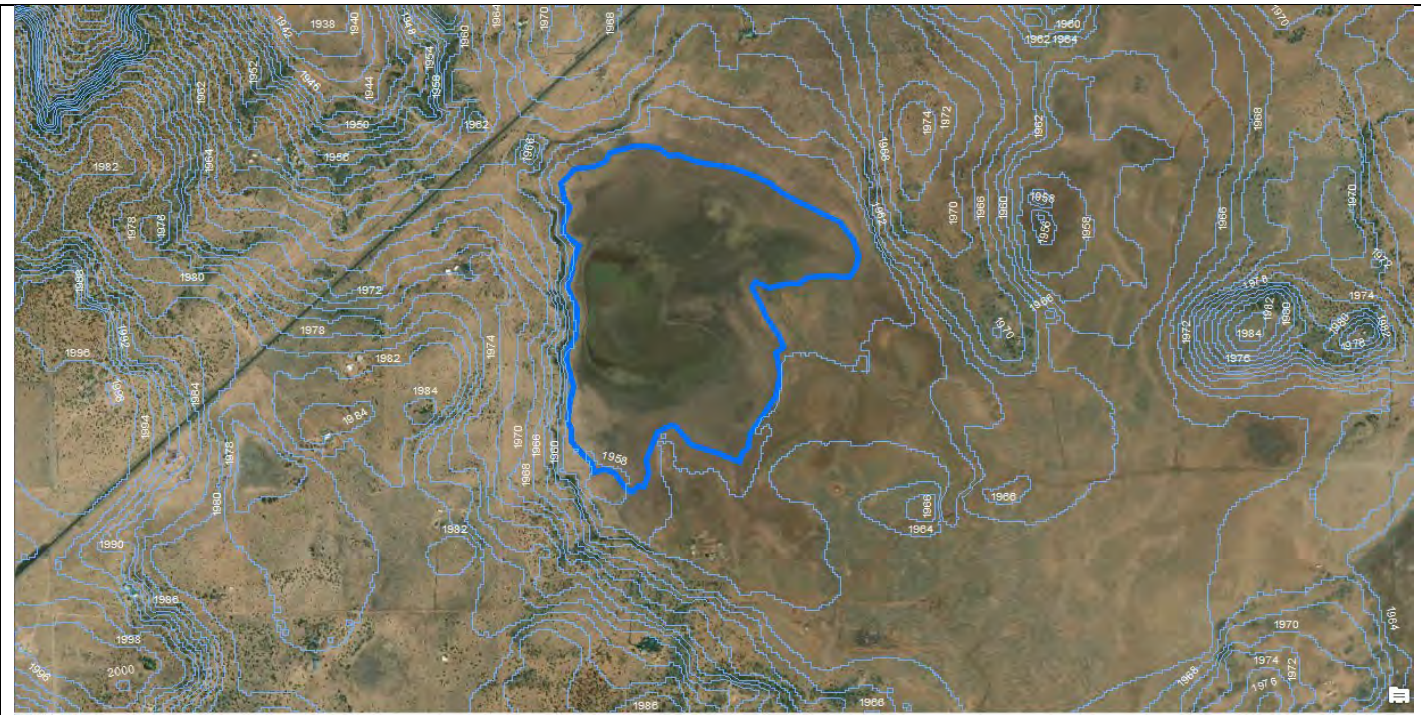


Figure 4: NED 2m contour analysis showing Little Ortega Lake within an isolated, disconnected watershed.

<p>What is the non-WOTUS category for the Water Body? (select one after all evaluations have been completed)?</p>
<p><input type="checkbox"/> 1. Reach lies within a Terminal basin</p>
<p><input type="checkbox"/> 2. Artificial lakes with no connectivity</p>
<p><input type="checkbox"/> 3. Upland ditches with no connectivity to a TNW</p>
<p><input checked="" type="checkbox"/> 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW</p>
<p><input type="checkbox"/> 5. Other</p>

ADEQ Final Determination – Maricopa Park Lake AZL15070102-0837

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
	Waterbody Name:	Maricopa Park Lake	Evaluator:	Colleen Cassidy
	Reach Name:		Date:	9/9/2021
	WBID:	AZL15070102-0837	Lat/Long:	33.591465, -112.304853
Interpretation of Results:				
<p>Maricopa Park Lake (AZL15070102-0837) is located in central Arizona in the City of Youngtown. Maricopa Park Lake is an artificial pond that is concrete lined (Figure 1). The Raindrop tool shows a path to a TNW, although there is no evidence of a connection or outlet to another waterbody (Figure 2). Maricopa Park Lake is located approximately 200 feet from the Agua Fria River, although there are no direct channels from the pond to the river. The topographic map provides additional evidence that the lake is isolated (Figure 3).</p> <p>All available imagery and information indicates that Maricopa Park Lake is an artificial, isolated lake that has no connectivity to a TNW, and therefore has a final determination of non-WOTUS under the 1980's definition of WOTUS.</p> <p>Maricopa Park Lake is listed on the draft AZ Protected Surface Water List of the state Surface Water Protection Program.</p>				



Figure 1. Google Earth Pro Imagery (2021) shows that Maricopa Park Lake is concrete-lined and there are no outlets from the pond.

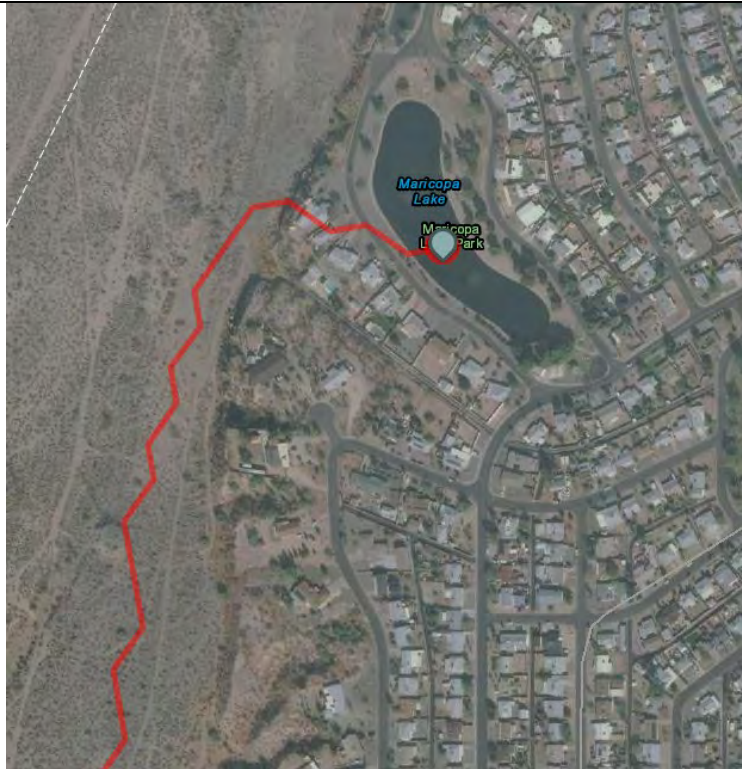


Figure 2. The USGS Raindrop tool traces an erroneous flowpath.



Figure 3. Topographic imagery shows that Maricopa Park Lake is isolated and does not have connectivity with the Agua Fria River.

What is the non-WOTUS category for the Water Body?

- ☐ 1. Reach lies within a Terminal basin
- ☒ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination (1980's Rule) – Moonshine Creek AZ15050201-032


Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Moonshine Creek		Evaluator:	Corinne Johnson	
Reach Name:	Headwaters to Post Creek		Date:	10/8/21	
WBID:	AZ15050201-032		Lat/Long:	32.684011, -109.899203	
Interpretation of Results:					
<p>Moonshine Creek (AZ15050201-032) is located in the Willcox Playa terminal basin in Cochise County (Figure 1). The creek does not connect to a TNW and terminates in Willcox Playa basin (Figure 2).</p> <p>Moonshine Creek is a terminal basin and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Moonshine Creek (AZ15050201-032) is NON-WOTUS.</p> <p>Moonshine Creek is currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>					
					
<p>Figure 1. Moonshine Creek (designated with an arrow) lies entirely in the Willcox Playa terminal basin.</p>					



Figure 2. USGS Raindrop tool shows no connection and terminates within Willcox Playa Basin.

What is the non-WOTUS category for the Water Body?

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination – Mormon Lake AZL15020015-0970

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE		WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
	Waterbody Name: Mormon Lake		Evaluator:		Mackenzie Moore		
	Reach Name:		Date:		10/1/2021		
	WBID: AZL15020015-0970		Lat/Long:		34.943232, -111.453422		
Interpretation of Results:							
<p>Mormon Lake (AZL15020015-0970) is located south of Flagstaff. The lake is a natural lake that is estimated to be intermittent based on imagery from Google Earth and the WOTUS Webmap (Figure 1). The NHD layer shows several inlets into Mormon Lake, but no outlet to a downstream TNW (Figure 2). The USGS Raindrop Tool shows that the flowpath from Mormon Lake terminates in the lake, showing that there is no downstream connectivity (Figure 3). The topographic map provides additional evidence that the lake is isolated (Figure 4).</p> <p>Mormon Lake is an isolated lake and is not WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Mormon Lake AZL15020015-0970 is NON-WOTUS.</p> <p>Mormon Lake is listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>							



Figure 1. Google Earth Pro (2017) imagery of Mormon Lake.



Figure 2. Mormon Lake is isolated with several inlets, but no outlet to any waterbody that could provide downstream connectivity (NHD layer).

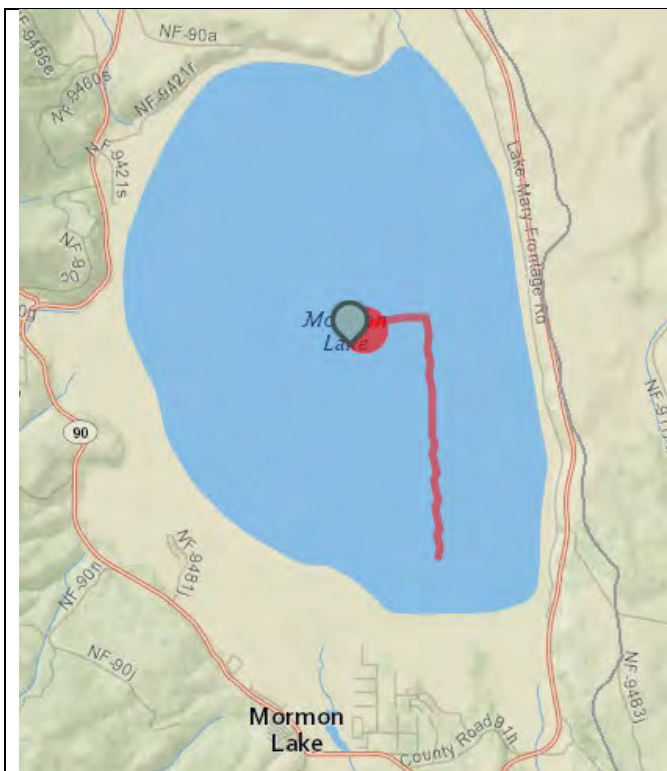


Figure 3. The Raindrop Tool from USGS terminates the flowpath within Mormon Lake, showing that no connectivity is present.

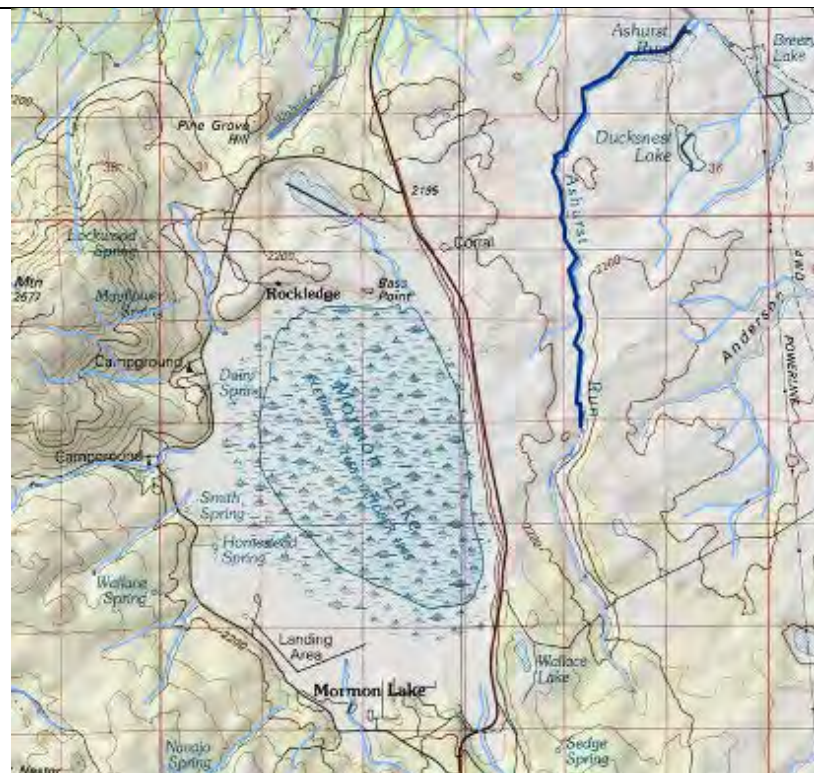


Figure 4. Topographic imagery shows that Mormon Lake is isolated.

What is the non-WOTUS category for the Water Body?

- ☐ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes and ponds
- ☐ 3. Artificially irrigated cropland
- ☒ 4. Hydrologically isolated or disconnected waterbody not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination (1980's Rule) – Phoenix Park Wash AZ15020008-022

Final WOTUS Evaluation	<div style="border: 2px solid black; border-radius: 50%; width: 150px; height: 150px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="background-color: red; color: white; padding: 10px; text-align: center;"> NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT </div> <div style="background-color: yellow; color: black; padding: 10px; text-align: center; margin: 0 10px;"> INCONCLUSIVE </div> <div style="background-color: green; color: black; padding: 10px; text-align: center;"> WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT </div> </div>		Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet	
	Waterbody Name:	Phoenix Park Wash	Evaluator:	Mackenzie Moore
Reach Name:	Headwaters to Dry Lake	Date:	10/8/2021	
WBID:	AZ15020008-022	Lat/Long:	34.34059, -110.526923	
Interpretation of Results:				
<p>Phoenix Park Wash (AZ15020008-022) is located near Show Low and has an undetermined flow regime on the WOTUS Webmap (Figure 1). The USGS Raindrop Tool shows that the flowpath heads north to Dry Lake where it terminates before it is able to reach a TNW (Figure 2). Topographic imagery also shows that Dry Lake is isolated and a terminal basin (Figure 3).</p> <p>Phoenix Park Wash flows into the Dry Lake terminal basin where the flowpath terminates and is not connected to a TNW. It is therefore not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Phoenix Park Wash AZ15020008-022 is NON-WOTUS.</p> <p>Phoenix Park Wash is not currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>				



Figure 1. Aerial imagery from the WOTUS Webmap showing that Phoenix Park Wash reaches Dry Lake and the flowpath does not continue.



Figure 2. The Raindrop Tool from USGS traces a flowpath from Phoenix Park Wash that terminates at Dry Lake before it reaches a TNW.



Figure 3. Topographic imagery shows that Dry Lake lies within a terminal basin and that Phoenix Park Wash does not have connections to other waterbodies once it enters the lake.

What is the non-WOTUS category for the Water Body?

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☒ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination (1980's Rule) – Pinery Creek AZ15050201-005A

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
	Waterbody Name: Pinery Creek			Evaluator: Mackenzie Moore		
	Reach Name: Unnamed Tributary to Ash Creek			Date: 10/8/2021		
	WBID: AZ15050201-005A			Lat/Long: 31.982191, -109.377602		
Interpretation of Results:						
<p>Pinery Creek (AZ15050201-005A) is located within the Willcox Playa terminal basin (Figure 1). The USGS Raindrop Tool shows that the flowpath terminates in Willcox Playa before a TNW can be reached (Figure 2).</p> <p>Pinery Creek is located within the Willcox Playa terminal basin and is therefore not connected to a TNW and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Pinery Creek AZ15050201-005A is NON-WOTUS.</p> <p>Pinery Creek is currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>						

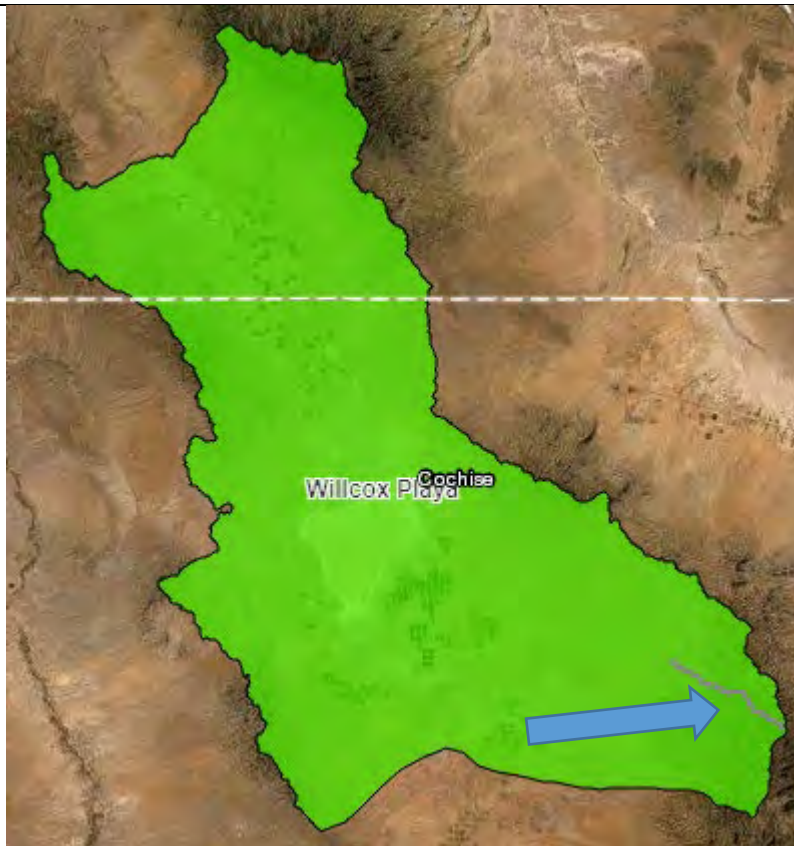


Figure 1. Aerial imagery from the WOTUS Webmap with the Terminal Basins Under the 1980s WOTUS Rule layer turned on shows that Pinery Creek lies entirely within the Willcox Playa terminal basin.



Figure 2. The Raindrop Tool from USGS traces a flowpath from Pinery Creek that terminates in Willcox Playa before it reaches a TNW.

What is the non-WOTUS category for the Water Body?

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination (1980's Rule) – Pinery Creek AZ15050201-005B

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
	Waterbody Name: Pinery Creek			Evaluator: Mackenzie Moore		
	Reach Name: Headwaters to State Highway 181			Date: 10/8/2021		
	WBID: AZ15050201-001B			Lat/Long: 31.982191, -109.377602		
Interpretation of Results:						
<p>Pinery Creek (AZ15050201-005A) is located within the Willcox Playa terminal basin (Figure 1). The USGS Raindrop Tool shows that the flowpath terminates in Willcox Playa before a TNW can be reached (Figure 2).</p> <p>Pinery Creek is located within the Willcox Playa terminal basin and is therefore not connected to a TNW and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Pinery Creek AZ15050201-005A is NON-WOTUS.</p> <p>Pinery Creek is currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>						

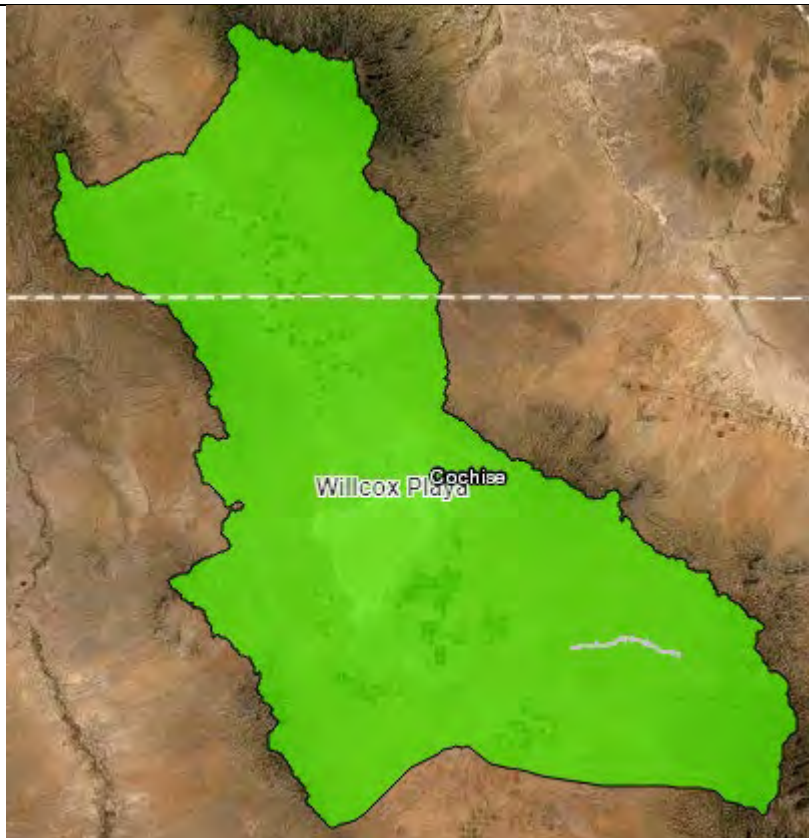


Figure 1. Aerial imagery from the WOTUS Webmap with the Terminal Basins Under the 1980s WOTUS Rule layer turned on shows that Pinery Creek lies entirely within the Willcox Playa terminal basin.




Figure 2. The Raindrop Tool from USGS traces a flowpath from Pinery Creek that terminates in Willcox Playa before it reaches a TNW.

What is the non-WOTUS category for the Water Body?

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination (1980's Rule) – Post Creek AZ15050201-031

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Post Creek		Evaluator:	Corinne Johnson	
Reach Name:	Headwaters to Grant Creek		Date:	10/8/21	
WBID:	AZ15050201-031		Lat/Long:	32.686561, -109.903926	
Interpretation of Results:					
<p>Post Creek (AZ15050201-031) is located in the Willcox Playa terminal basin in Graham county (Figure 1). The creek does not connect to a TNW and terminates in Willcox Playa basin (Figure 2).</p> <p>Post Creek lies in a terminal basin and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Post Creek (AZ15050201-031) is NON-WOTUS.</p> <p>Post Creek is currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>					
					
<p>Figure 1. Post Creek (designated with an arrow) lies entirely in the Willcox Playa terminal basin.</p>					

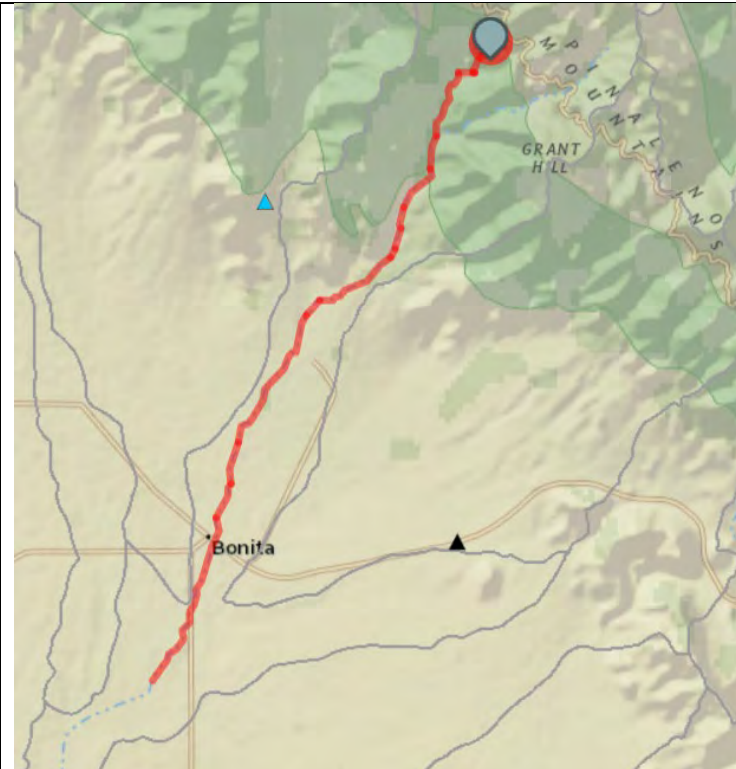



Figure 2. USGS Raindrop tool shows no connection to a TNW and terminates within Willcox Playa Basin.

What is the non-WOTUS category for the Water Body?

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination (1980's Rule), Potato Lake 15020015-1120

Final WOTUS Evaluation	<div style="border: 2px solid black; border-radius: 50%; width: 150px; height: 150px; display: flex; align-items: center; justify-content: center;"> <div style="background-color: red; color: white; padding: 5px; text-align: center;"> NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT </div> <div style="background-color: yellow; color: black; padding: 5px; text-align: center; margin-left: 10px;"> INCONCLUSIVE </div> <div style="background-color: green; color: white; padding: 5px; text-align: center;"> WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT </div> </div>		Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet	
	Waterbody Name:	Potato Lake	Evaluator:	Colleen Cassidy
Reach Name:		Date:	10/21/2021	
WBID:	15020015-1120	Lat/Long:	35.054416, -111.402648	
Interpretation of Results:				
<p>Potato Lake (AZL15020015-1120) is located within Coconino County in the Coconino National Forest and appears as an isolated lake in Google Earth imagery (Figure 1). The USGS Raindrop Tool shows a flowpath that terminates nearby and does not connect to a downstream TNW (Figure 2). Topo maps also indicate that Potato Lake is isolated, and there is an inlet but no outlet to the neighboring stream channel (Figure 3).</p> <p>Potato Lake is an isolated lake and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Potato Lake is NON-WOTUS.</p> <p>Potato Lake is listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>				
				
<p>Figure 1. Google Earth Pro Imagery (2021) that shows no outlet from Potato Lake.</p>				

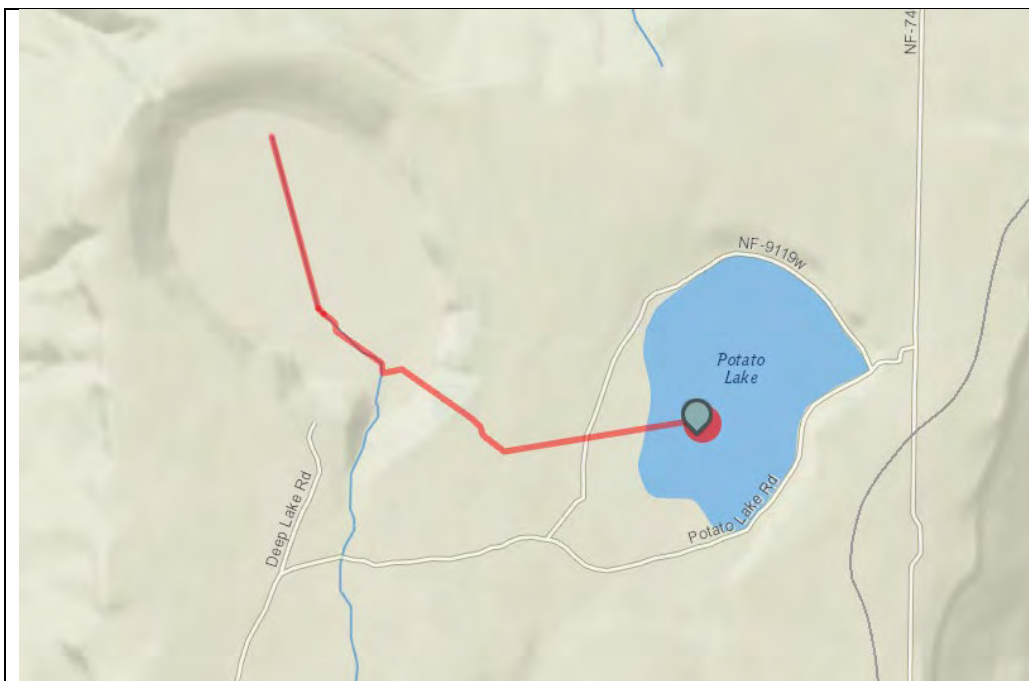


Figure 2. The USGS Raindrop Tool shows a flow path that terminates nearby and doesn't connect to downstream waters.

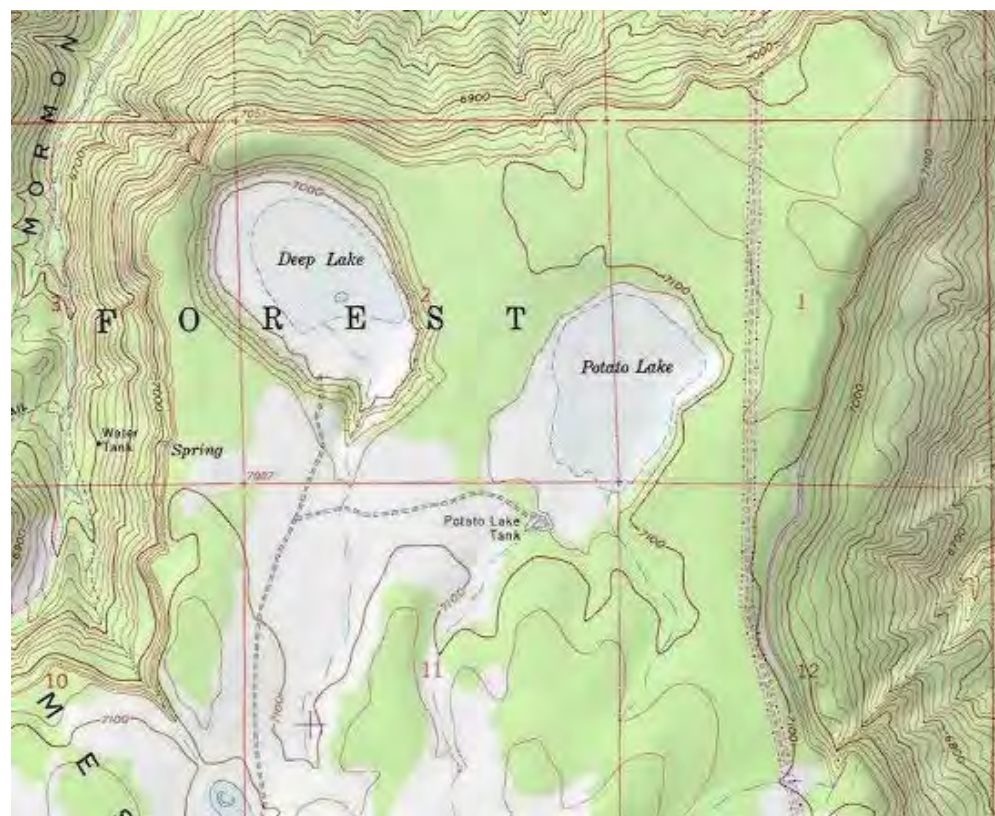


Figure 3. Topographic map showing no outlet or possible flow path from Potato Lake.

**What is the non-WOTUS category for the Water Body?
(select one after all evaluations have been completed)?**

- ☐ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☒ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW

☐ 5. Other

ADEQ Final Determination (1980's Rule), Pratt Lake 15020001-1140


Final WOTUS Evaluation	<div style="border: 2px solid black; border-radius: 50%; width: 150px; height: 150px; background-color: red; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="text-align: center;"> NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT </div> </div>		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Pratt Lake		Evaluator:	Hans Huth, Colleen Cassidy	
Reach Name:			Date:	10/20/2021	
WBID:	15020001-1140		Lat/Long:	34.02528, -109.0711	
Interpretation of Results:					
<p>Pratt Lake is located within Coconino County in the Coconino National Forest. The USGS Raindrop Tool does not show a flowpath to a TNW, but rather dead ends in the vicinity of Pratt Lake (Figure 1). Google earth imagery also indicates that Pratt Lake is isolated without downstream connectivity (Figure 2). The topo map shows the Thomas Spring inlet feeding the Lake, but no outlet to Coyote Creek or neighboring streams (Figure 3). An analysis of NED 2m contours indicated that the lake is located on a shallow ridge between two drainages, but has no connectivity to either one (Figure 4).</p> <p>Pratt Lake is an isolated lake and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Pratt Lake AZL15020001-1140 is NON-WOTUS.</p> <p>Pratt Lake is listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>					
					
<p>Figure 1. The USGS Raindrop Tool shows no flow path.</p>					



Figure 2. Google Earth Pro Imagery (2021) indicating no connectivity for Pratt Lake.

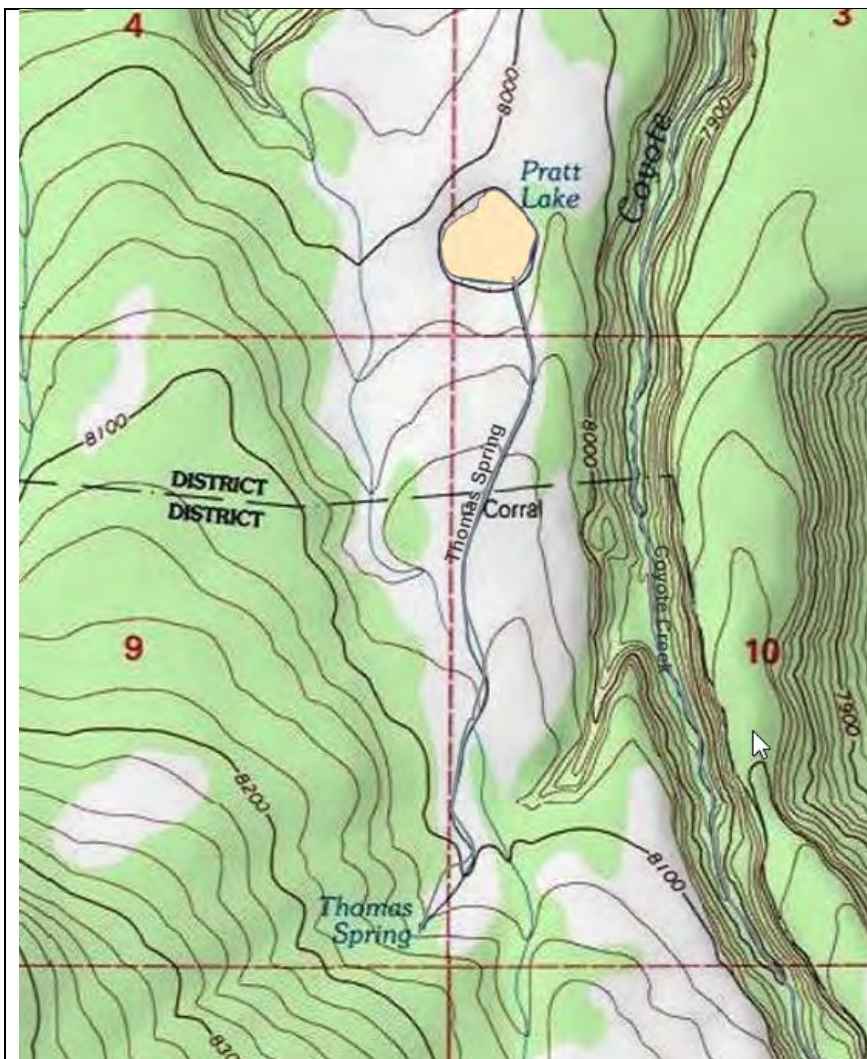


Figure 3. Topographic map showing Thomas spring inlet, but no outlet from Pratt Lake.



Figure 4. NED 2m contours analysis; image showing no outlet from Pratt Lake.

What is the non-WOTUS category for the Water Body? (select one after all evaluations have been completed)?
<input type="checkbox"/> 1. Reach lies within a Terminal basin
<input type="checkbox"/> 2. Artificial lakes with no connectivity
<input type="checkbox"/> 3. Upland ditches with no connectivity to a TNW
<input checked="" type="checkbox"/> 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
<input type="checkbox"/> 5. Other

ADEQ Final Determination (1980's Rule) – Red Lake AZL15010007-1180

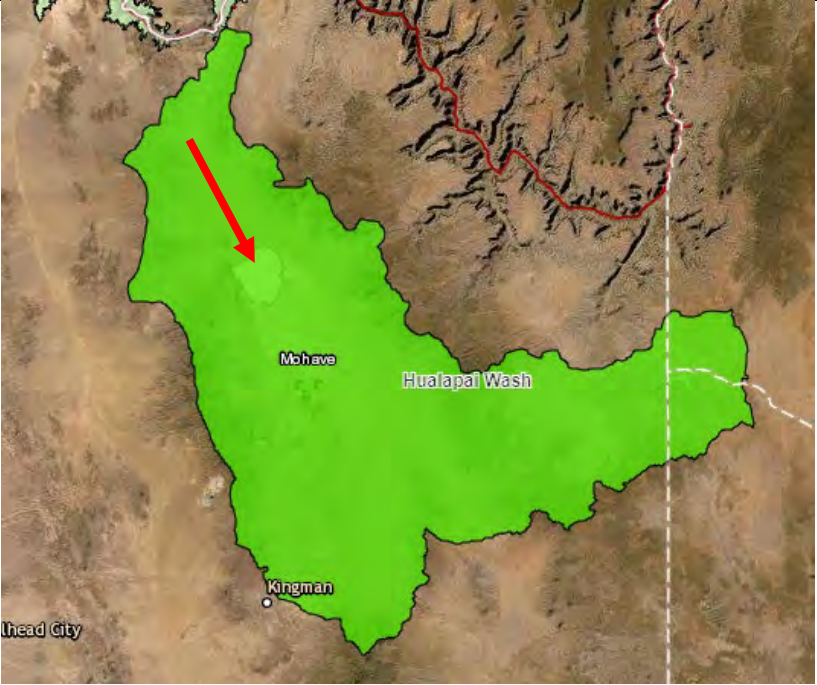
Final WOTUS Evaluation	<div style="border: 2px solid black; border-radius: 50%; padding: 10px; display: inline-block;"> NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT </div>		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Red Lake		Evaluator:	Colleen Cassidy	
Reach Name:	35 40'03"/114 04'07"		Date:	10/21/2021	
WBID:	AZL15010007-1180		Lat/Long:	35.668044, -114.066622	
Interpretation of Results:					
<p>Red Lake (AZL15010007-1180) is located within the Hualapai Wash terminal basin (Figure 1). The USGS Raindrop Tool shows that the flowpath terminates within Red Lake (Figure 2 and 3).</p> <p>Red Lake is located within the Hualapai Wash terminal basin and is therefore not connected to a TNW and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Red Lake is NON-WOTUS.</p> <p>Red Lake is not listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>					
					
<p>Figure 1. Red Lake lies within the Hualapai Wash terminal basin (ADEQ WOTUS Webmap)</p>					



Figure 2. The Raindrop Tool from USGS traces a flowpath that terminates within Red Lake.



Figure 3. Topographic map showing no outlet from Red Lake.

**What is the non-WOTUS category for the Water Body?
(select one after all evaluations have been completed)?**

☒ 1. Reach lies within a Terminal basin

☐ 2. Artificial lakes with no connectivity

<input type="checkbox"/> 3. Upland ditches with no connectivity to a TNW
<input type="checkbox"/> 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
<input type="checkbox"/> 5. Other

ADEQ Final Determination (1980's Rule) – Riggs Flat Lake AZL15050201-1210

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Riggs Flat Lake	Evaluator:	Mackenzie Moore	
Reach Name:	32 42'27.70"/109 57'53.09"	Date:	10/7/2021	
WBID:	AZL15050201-1210	Lat/Long:	32.707804, -109.965053	

Interpretation of Results:

Riggs Flat Lake (AZL15050201-1210) is located within the Willcox Playa terminal basin (Figure 1). The USGS Raindrop Tool shows that the flowpath terminates shortly beyond Riggs Flat Lake (Figure 2).

Riggs Flat Lake is located within the Willcox Playa terminal basin and is therefore not connected to a TNW and is not a WOTUS under the 1980's definition of WOTUS (Figure 3 and 4). The results of the WOTUS evaluation and all available data indicates that Riggs Flat Lake AZL15050201-1210 is NON-WOTUS.

Riggs Flat Lake is currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.

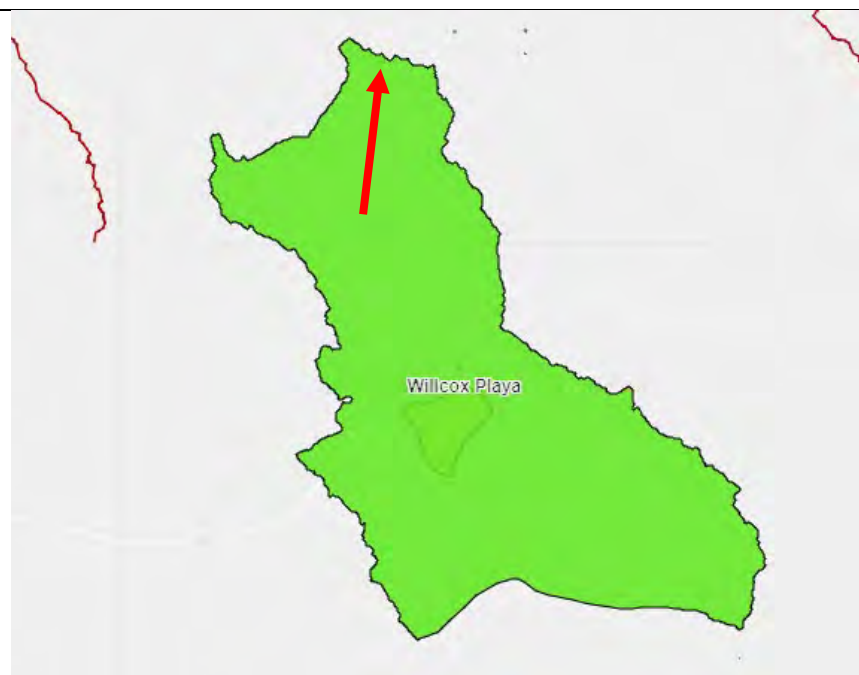


Figure 1. Aerial imagery from the WOTUS Webmap with the Terminal Basins Under the 1980s WOTUS Rule turned on shows that Riggs Flat Lake lies within the Willcox Playa terminal basin.



Figure 2. The Raindrop Tool from USGS traces a flowpath that terminates shortly beyond Riggs Flat Lake.



Figure 3. Google Earth Pro Imagery (2021) that shows no outlet from Riggs Flat Lake.

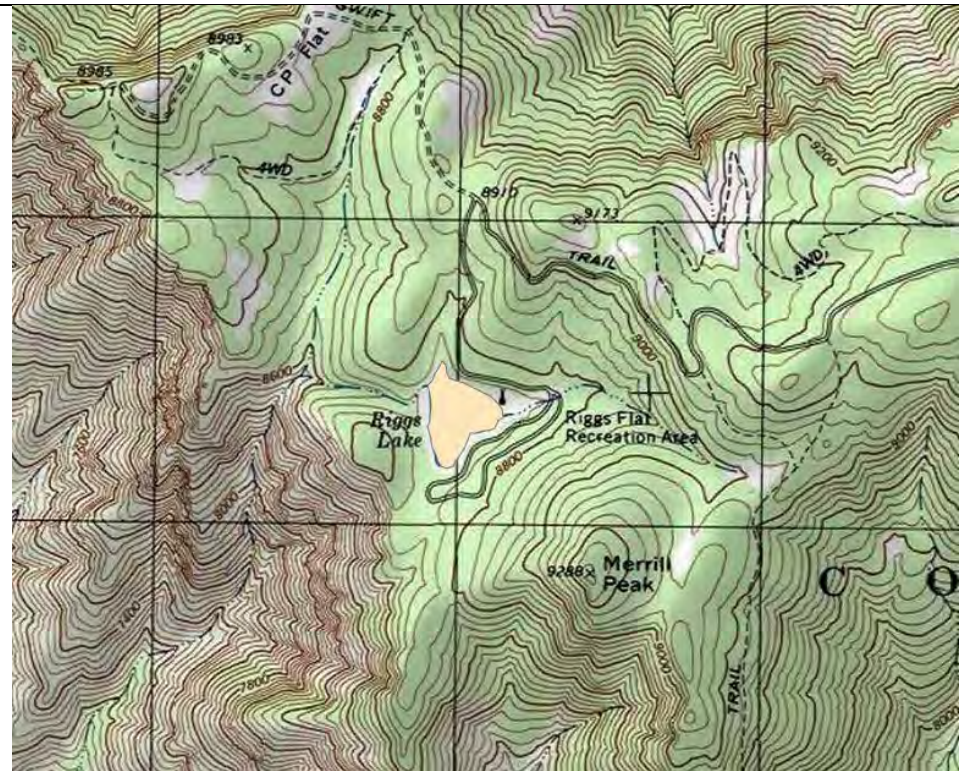


Figure 4. Topographic map showing no outlet from Riggs Flat Lake.

What is the non-WOTUS category for the Water Body?
(select one after all evaluations have been completed)?

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

Known Uses of the Study Water Body (Document any known public uses of the water body including recreational (boating, kayaking, fishing, etc.), commercial, or academic)

Activity or Use	Source	Comments and supporting information

ADEQ Final Determination – Riverview Park Lake AZL15060106B-1225

Final WOTUS Evaluation	<div style="background-color: red; color: white; text-align: center; padding: 10px;"> NON-WOTUS <input type="checkbox"/>SDAM <input type="checkbox"/>APT </div>	<div style="background-color: green; color: white; text-align: center; padding: 10px;"> WOTUS <input type="checkbox"/>SDAM <input type="checkbox"/>APT </div>	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet			
			Waterbody Name:	Riverview Park Lake	Evaluator:	P. Spindler
			Reach Name:		Date:	6/29/21, updated 10/19/2021
			WBID:	AZL15060106B-1225	Lat/Long:	33.430926, -111.87656
Interpretation of Results: <p>Riverview Park Lake (AZL15060106B-1225) is an urban constructed lake in Mesa, AZ (Figure 1). The USGS Raindrop tool shows a linkage to the Gila River at Powers Butte TNW, however this flowpath is incorrect because there are no visible inlets or outlets to the Salt River or any streams nearby (Figure 2). This 3-acre lake lies close to the Salt River, but outside the 100 year floodplain (Figure 3). Topographic imagery shows that there is not connectivity to any other waterbodies (Figure 4).</p> <p>Riverview Park Lake is an isolated and artificial lake and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Riverview Park Lake AZL15060106B-1225 is NON-WOTUS.</p> <p>The AZ Game and Fish Department stocks fish in the lake for public fishing. There are no boat rentals at the lake.</p> <p>Riverview Park Lake is listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>						

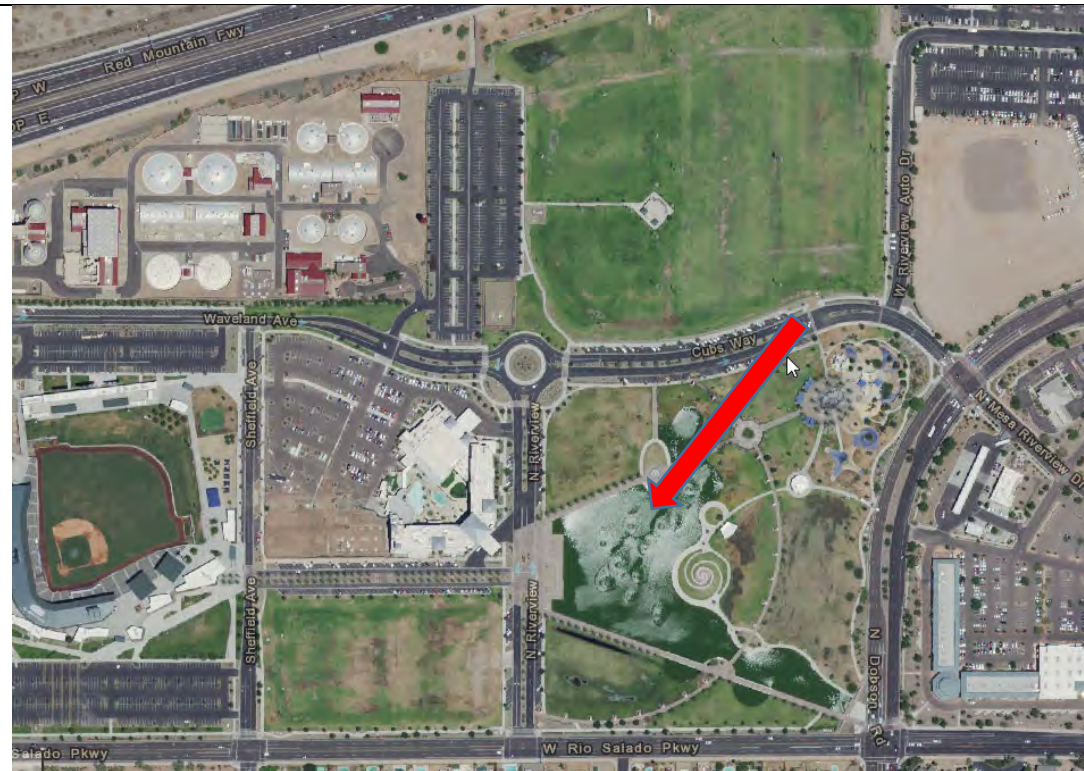


Figure 1. Riverview Park and surroundings; no inlet or outlet visible.



Figure 2. USGS Raindrop tool incorrectly makes linkage to Gila River TNW.



Figure 3. Riverview Park Lake lies outside of the 100 year floodplain (dark purple) of the Salt River.



Figure 4. Topographic map shows that Riverview Park Lake does not have connectivity to any other waterbodies.

**What is the non-WOTUS category for the Water Body?
(select one after all evaluations have been completed)?**

- ☐ 1. Reach lies within a HUC Disconnect or HUC Sink basin
- ☒ 2. Artificial lakes and ponds
- ☐ 3. Artificially irrigated cropland
- ☐ 4. Hydrologically isolated or disconnected water body within a Terminal or Disconnected basin
- ☐ 5. Other

Known Uses of the Study Water Body		
Activity or Use	Source	Comments and supporting information
Fishing	Mesa Parks website	https://www.mesaparks.com/parks-facilities/parks/riverview-park
Sprayground water feature on playground	Mesa Parks website	https://www.mesaparks.com/parks-facilities/parks/riverview-park
Playgrounds	Mesa Parks website	https://www.mesaparks.com/parks-facilities/parks/riverview-park
Picnic areas	Mesa Parks website	https://www.mesaparks.com/parks-facilities/parks/riverview-park

ADEQ Final Determination – Roadrunner Park Lake AZL15060106B-1230

Final WOTUS Evaluation	NON-WOTUS		INCONCLUSIVE	WOTUS		Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
	<input type="checkbox"/> SDAM <input type="checkbox"/> APT			<input type="checkbox"/> SDAM <input type="checkbox"/> APT		
Waterbody Name:	Roadrunner Park Lake			Evaluator:	Colleen Cassidy	
Reach Name:				Date:	9/15/2021	
WBID:	AZL15060106B-1230			Lat/Long:	33.598932, -112.005689	

Interpretation of Results:

Roadrunner Park Lake (AZL15060106B-1230) is located in central Arizona in the City of Phoenix. Roadrunner Park Lake is an artificial pond that is concrete lined (Figure 1). The Raindrop tool does show a path to a TNW, although it is erroneous because there is no evidence of a connection or outlet to another waterbody (Figure 2). The topographic map provides additional evidence that the lake is isolated (Figure 3).

All available imagery and information indicates that Roadrunner Park Lake is an artificial, isolated lake that has no connectivity to a TNW, and is therefore not WOTUS under the 1980's definition of WOTUS. Roadrunner Park Lake has a final determination of non-WOTUS.

The pond is stocked with fish by the Arizona Game and Fish Department and can be used for recreational fishing with a permit.

Roadrunner Park Lake is listed on the draft AZ Protected Surface Water List of the state Surface Water Protection Program.



Figure 1. Google Earth Pro Imagery (2021) shows no outlet from Roadrunner Park Lake. The pond is concrete-lined and artificial.



Figure 2. The USGS Raindrop tool shows an incorrect flowpath from Roadrunner Park Lake that goes through neighborhoods to a TNW.



Figure 3. Topographic imagery shows that Roadrunner Park Lake does not have connectivity and is isolated.

What is the non-WOTUS category for the Water Body?

- ☐ 1. Reach lies within a Terminal basin
- ☒ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

Known Uses of the Study Water Body		
Activity or Use	Source	Comments and supporting information
Recreational Fishing	AZGFD	Stocked with fish by the Arizona Game and Fish Department and can be used for recreational fishing with a permit

ADEQ Final Determination (1980's Rule) – Rock Canyon AZ15010007-005

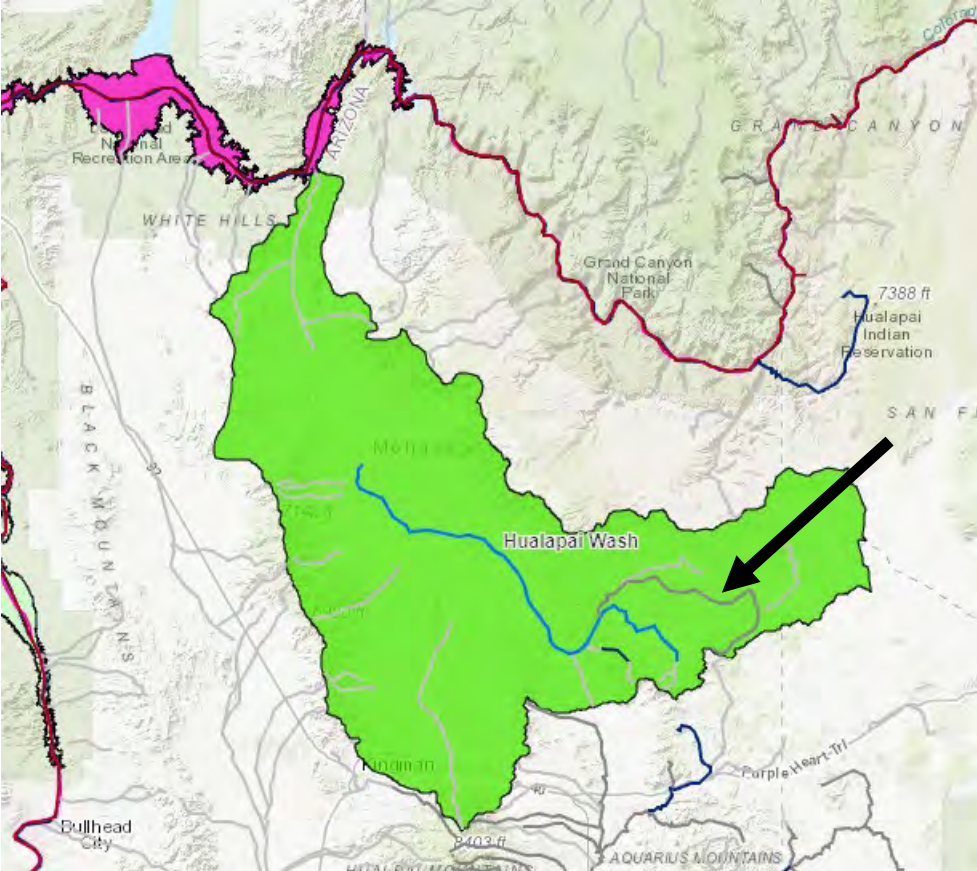
Final WOTUS Evaluation	<div style="border: 2px solid black; border-radius: 50%; padding: 10px; display: inline-block;"> NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT </div>		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Rock Canyon		Evaluator:	Corinne Johnson	
Reach Name:	Headwaters to Truxton Wash		Date:	10/8/21	
WBID:	AZ15010007-005		Lat/Long:	35.414068, -113.373141	
Interpretation of Results:					
<p>Rock Canyon (AZ15010007-005) is located in the Hualapai Wash terminal basin in Mohave County (Figure 1). Rock Canyon does not connect to a TNW and terminates in the Hualapai Wash basin (Figure 2).</p> <p>Rock Canyon lies within a terminal basin and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Rock Canyon (AZ15010007-005) is NON-WOTUS.</p> <p>Rock Canyon is not currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>					
					
<p>Figure 1. Rock Canyon (designated with an arrow) lies entirely in the Hualapai Wash terminal basin.</p>					

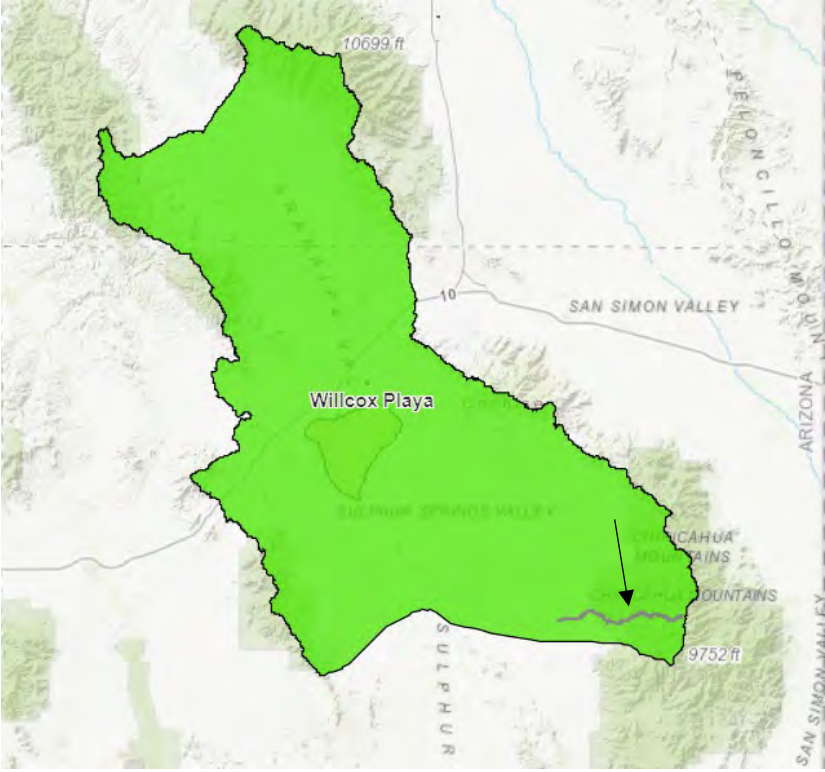


Figure 2. USGS Raindrop tool shows no connection to a TNW and terminates within Hualapai Wash Terminal Basin.

What is the non-WOTUS category for the Water Body?
(select one after all evaluations have been completed)?

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination (1980's Rule) – Rock Creek AZ15050201-437

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Rock Creek		Evaluator:	Corinne Johnson	
Reach Name:	Headwaters to Turkey Creek		Date:	10/8/21	
WBID:	AZ15050201-437		Lat/Long:	31.891202, -109.313573	
Interpretation of Results:					
<p>Rock Creek (AZ15050201-437) is located in the Willcox Playa terminal basin in Cochise County (Figure 1). The creek does not connect to a TNW and terminates in Willcox Playa basin (Figure 2).</p> <p>Rock Creek lies within a terminal basin and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Rock Creek (AZ15050201-437) is NON-WOTUS.</p> <p>Rock Creek is currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>					
					
<p>Figure 1. Rock Creek (designated with an arrow) lies entirely in the Willcox Playa terminal basin.</p>					

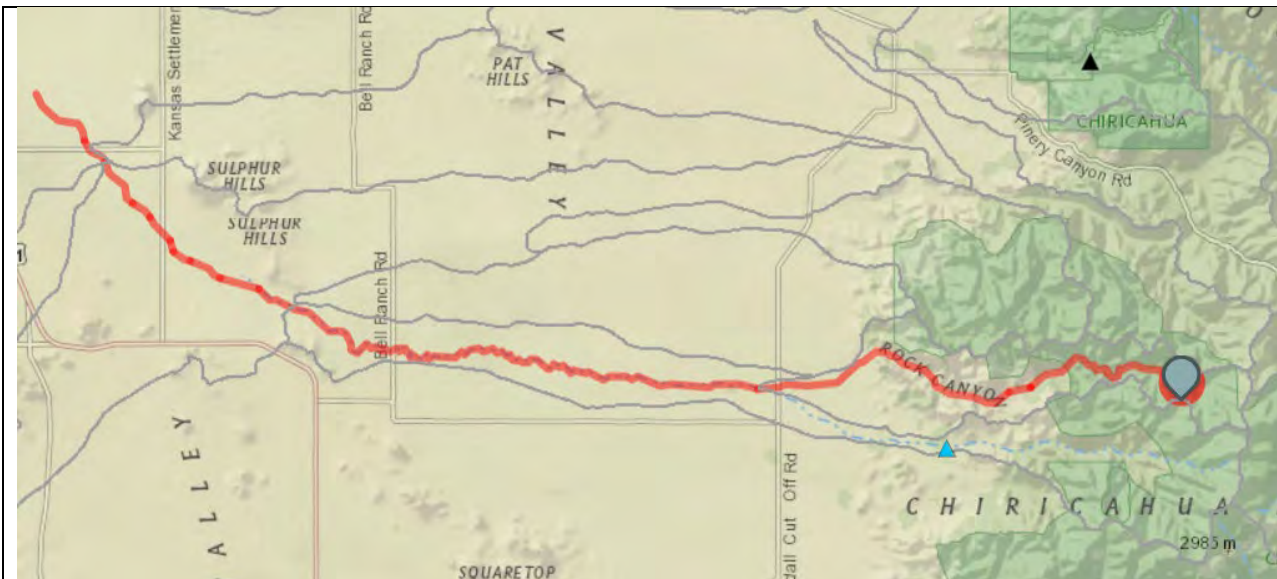


Figure 2. USGS Raindrop tool shows no connection and terminates within Willcox Playa Basin.

What is the non-WOTUS category for the Water Body?

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination (1980's Rule) – Snow Flat Lake AZL15050201-1420


Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Snow Flat Lake	Evaluator:	Corinne Johnson	
Reach Name:		Date:	10/8/2021	
WBID:	AZL15050201-1420	Lat/Long:	32.652891, -109.865093	
Interpretation of Results:				
<p>Snow Flat Lake (AZL15050201-1420) is located in the Willcox Playa terminal basin in Cochise County (Figure 1). Through conducting an aerial imagery search there seems to occasionally be a channel running out of the lake (Figure 2). However, if there is flow leaving the lake, the lake does not connect to a TNW and terminates in Willcox Playa basin (Figure 3).</p> <p>Snow Flat Lake lies within a terminal basin and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Snow Flat Lake AZL15050201-1420 is NON-WOTUS.</p> <p>Snow Flat Lake is currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>				
				
<p>Figure 1. Location indicated with an arrow, Snow Flat Lake is located within Willcox Playa terminal basin.</p>				



Figure 2. There potentially is a channel leaving the lake on the south end, yet this channel does not show on maps or every aerial image.

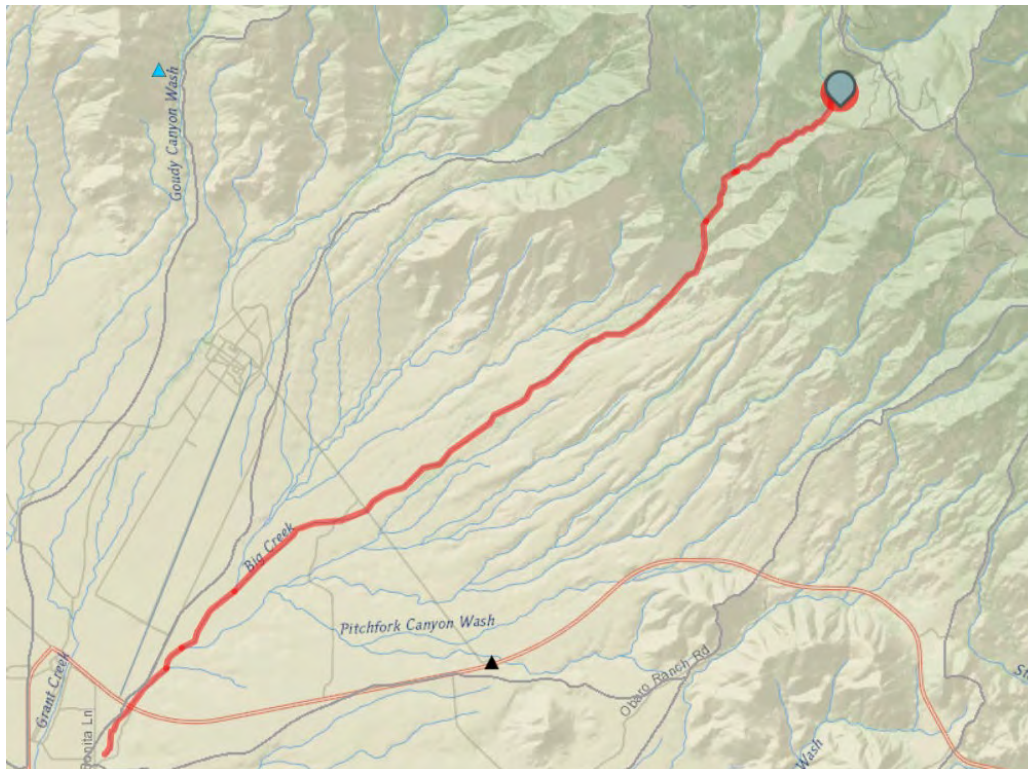



Figure 3. USGS Raindrop tool shows flow leaving the lake, but the flowpath terminates in the Willcox Playa basin.

What is the non-WOTUS category for the Water Body?

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination (1980's Rule) – Soldier Creek AZ15050201-026

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Soldier Creek		Evaluator:	Corinne Johnson	
Reach Name:	Headwaters to Grant Creek		Date:	10/8/21	
WBID:	AZ15050201-026		Lat/Long:	32.697962, -109.919055	
Interpretation of Results:					
<p>Soldier Creek (AZ15050201-026) is located in the Willcox Playa terminal basin in Graham County (Figure 1). The creek does not connect to a TNW and terminates in Willcox Playa basin (Figure 2).</p> <p>Soldier Creek lies within a terminal basin and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Soldier Creek (AZ15050201-026) is NON-WOTUS.</p> <p>Soldier Creek is currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>					
					
<p>Figure 1. Soldier Creek (designated with an arrow) lies entirely in the Willcox Playa terminal basin.</p>					

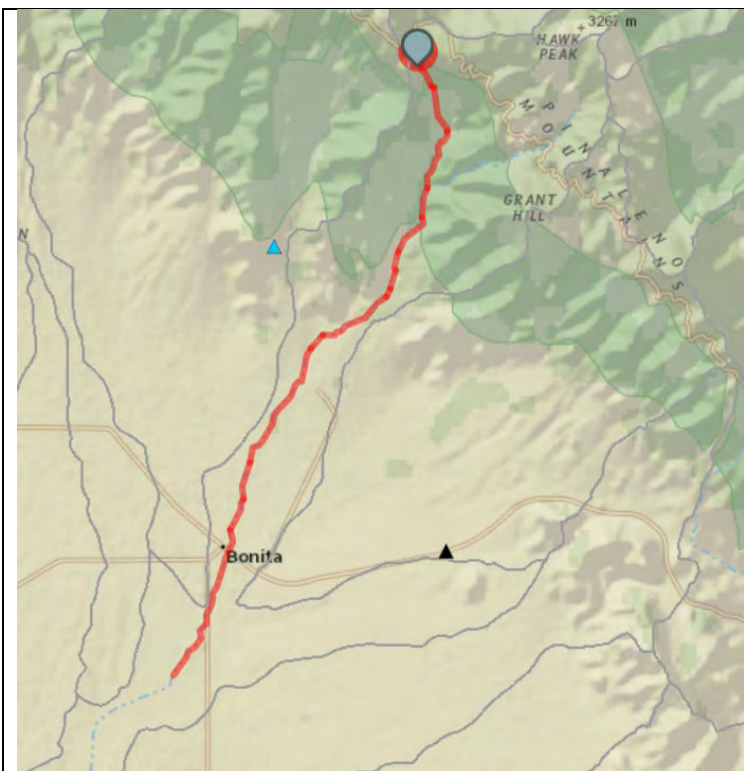


Figure 2. The USGS Raindrop tool shows no connection to a TNW and terminates within the Willcox Playa Basin.

What is the non-WOTUS category for the Water Body?

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination – Sponseller Lake AZL15020005-5001

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
	Waterbody Name:	Sponseller Lake	Evaluator:	Colleen Cassidy, Mackenzie Moore
	Reach Name:		Date:	9/9/2021, updated 1/13/2022
	WBID:	AZL15020005-5001	Lat/Long:	34.236082, -109.845685
Interpretation of Results:				
<p>Sponseller Lake (AZL15020005-5001) is located in eastern Arizona in Apache County. Sponseller Lake is a natural, closed basin in a natural sinkhole and has an intermittent status based on aerial imagery (Figure 1). Although Sponseller Lake is 0.75 miles away from a Rocky Arroyo (AZ15020005-344), which has an undetermined flow regime, the Raindrop tool does not show a path to a TNW, and there is no evidence of a connection or outlet to another waterbody (Figure 2). Additionally, in the Upper Little Colorado River Watershed chapter of the U.S. Fish and Wildlife Service and Arizona Game and Fish Department's <i>Biological Assessment of the Arizona Game and Fish Department's Statewide and Urban Fisheries Stocking Program</i> (2011), Sponseller Lake is hydrologically isolated from the other waters in the White Mountain Complex and does not have a hydrologic connection to other waterbodies in the area. Topographic imagery shows that Sponseller Lake does not have connectivity to downstream waterbodies and is isolated (Figure 3).</p> <p>Given recognized challenges with sometimes incomplete or erroneous NHD linework, ADEQ has taken the extra step of using GIS to derive drainage patterns from USGS 30m National Elevation Data (NED). When combined with aerial imagery, NED linework can help confirm terminal basins and/or capture drainage features not recognized in the NHD which are otherwise visible in aerial imagery. ADEQ uses the stream network tool in the USDA-ARS Automated Geospatial Watershed Assessment (AGWA) program to derive the drainage features from NED data at various resolutions to support this analysis. NED imagery shows that Sponseller Lake is not located in a floodplain and does not have connectivity to a downstream waterbody (Figure 4).</p> <p>All available imagery and information indicates that Sponseller Lake is an artificial, isolated lake that has no connectivity to a TNW, and therefore has a final determination of non-WOTUS under the 1980's definition of WOTUS.</p> <p>Sponseller Lake is listed on the AZ Protected Surface Water List of the state Surface Water Protection Program.</p> <p>U.S. Fish and Wildlife Service. 2011. <i>Biological Assessment of the Arizona Game and Fish Department's Statewide and Urban Fisheries Stocking Program for the years 2011-2021</i>. Wildlife and Sport Fish Restoration Program, U.S. Fish and Wildlife Service, Albuquerque, NM.</p>				

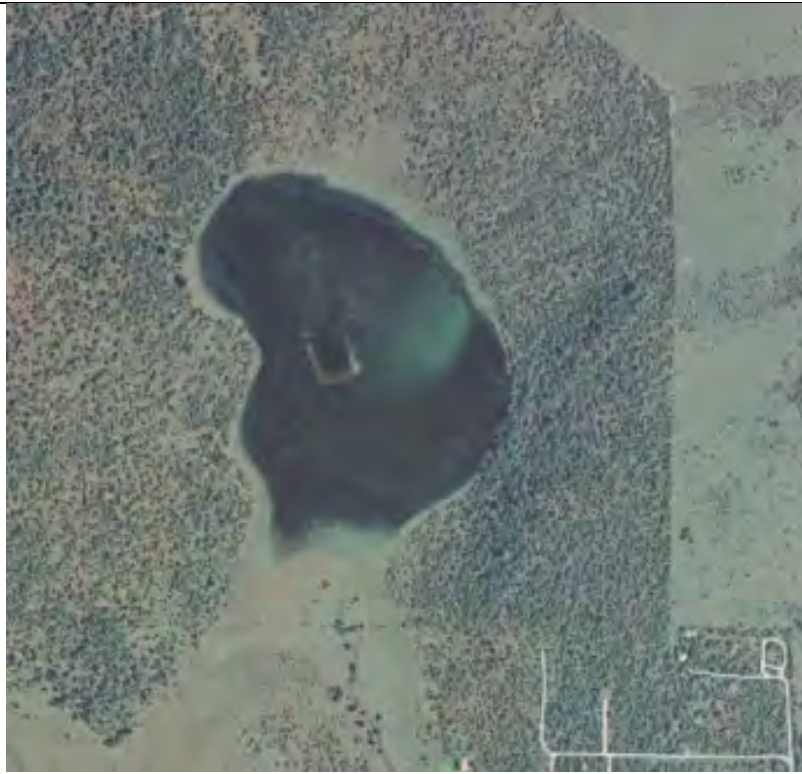


Figure 1. Aerial imagery shows that Sponseller Lake does not have visible channels or outlets.



Figure 2. The USGS Raindrop tool shows no flow path and no outlet to another waterbody.



Figure 3. Topographic imagery shows that Sponseller Lake is isolated and does not have connectivity to any waterbodies.

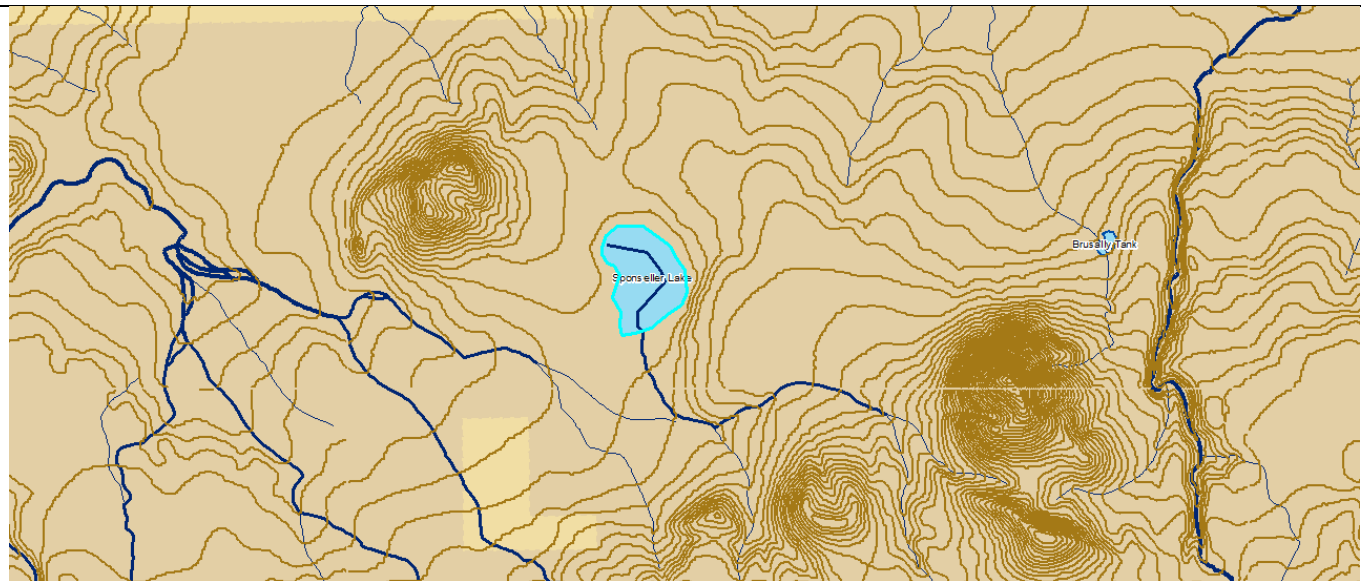


Figure 4. Imagery from the NED analysis shows that Sponseller Lake is not in a floodplain and does not have downstream connectivity.

What is the non-WOTUS category for the Water Body?

- ☐ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☒ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination – Stronghold Canyon 15050201-299

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet	
Waterbody Name:	Stronghold Canyon	Evaluator:	Meghan Smart	
Reach Name:	Headwaters to unnamed tributary	Date:	6/30/2021	
WBID:	AZ15050201-299	Lat/Long:	31.902548°, -109.957141°	

Interpretation of Results:

Stronghold Canyon is located in Southern Arizona, southwest of Willcox, with the headwater is in the Dagoon Mountains and flows northeast towards Willcox Playa (Figure 1). The USGS raindrop tool shows the flow path ending abruptly within the Willcox Playa, with no flowpath connection to a TNW (Figure 2). The entire stream is located within the Willcox Playa terminal basin (Figure 3). Topo maps indicate that Stronghold Canyon (east) flows from the Dagoon Mountains to the east and disappears on the alluvial plain before reaching Willcox Playa. This stream reach is not a WOTUS under the 1980s Wotus definition because it lies within a terminal basin.

This waterbody is NOT currently listed on the draft Protected Surface Water List of the Arizona Surface Water Protection Program.

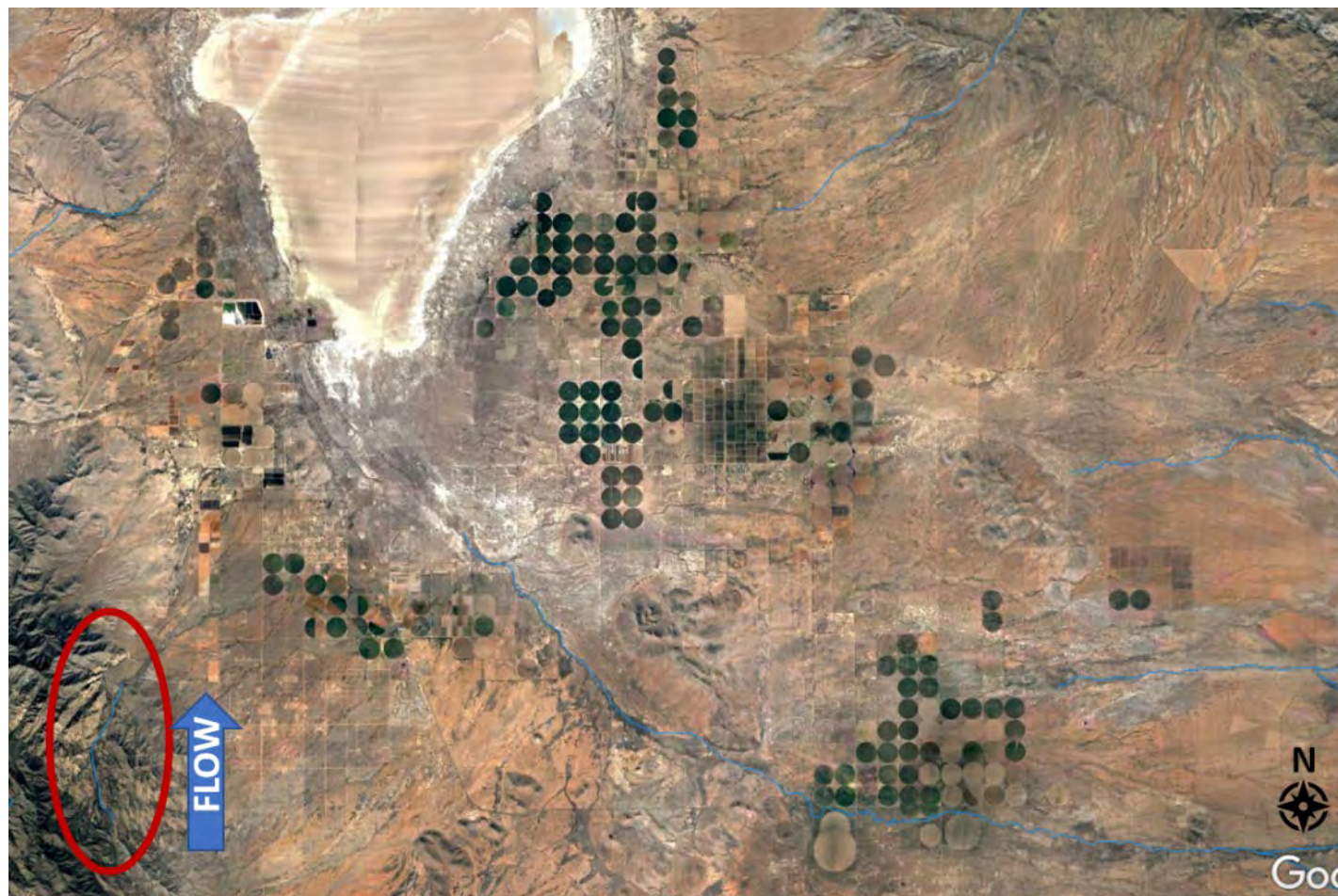


Figure 1. Stronghold Canyon flows north east towards Willcox Playa



Figure 2. USGS Raindrop Tool showing no flowpath connection to a TNW

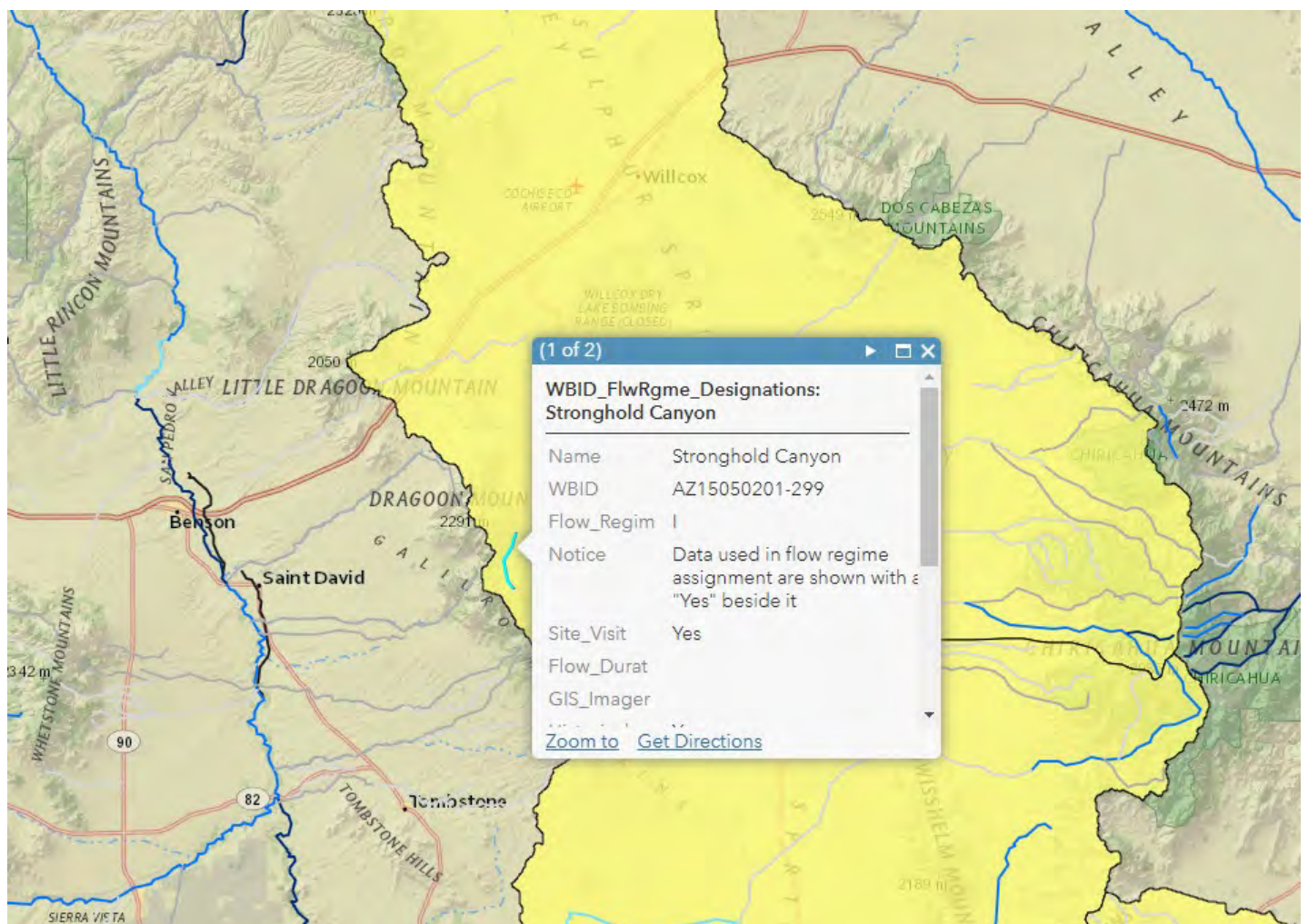


Figure 3. Stronghold Canyon lies within the Willcox Playa terminal basin (yellow layer) with no connectivity to a TNW

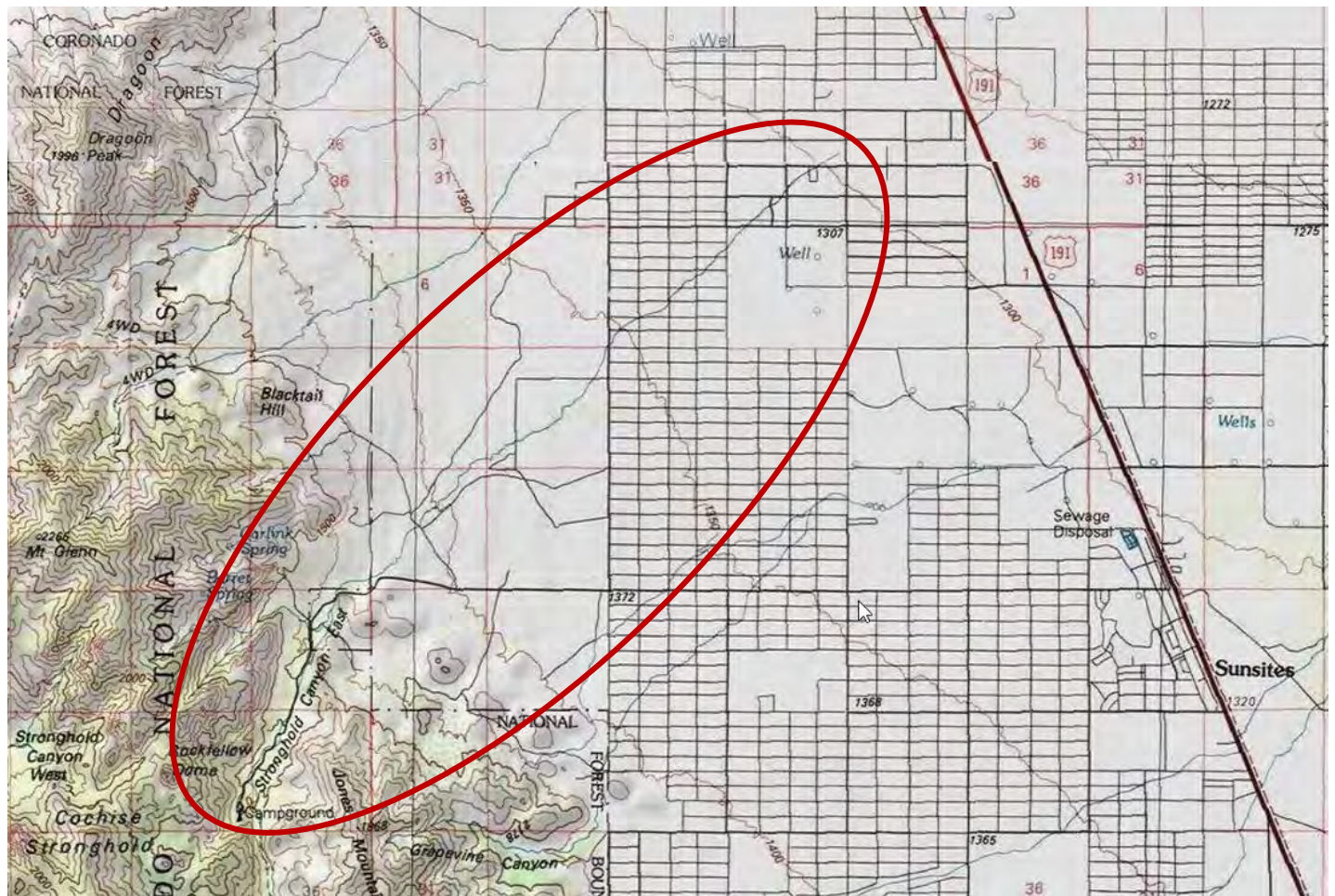


Figure 4. Topo map showing Stronghold Canyon (east) flowing from the Dagoon Mountains and disappearing on the alluvial plain before reaching Willcox Playa.

What is the non-WOTUS category for the Water Body?

(select one after all evaluations have been completed)? Refer to the NWPR Fact Sheet

- ☐ 1. Ephemeral reach (no evidence of consistent flow or commercial/public use)
- ☐ 2. Reach lies within a Disconnected basin
- ☐ 3. Artificial lakes and ponds
- ☐ 4. Artificially irrigated cropland
- ☒ 5. Hydrologically isolated or Terminal basin
- ☐ 6. Other


Known Uses of the Study Water Body

Document any known public uses of the water body including recreational (boating, kayaking, fishing, etc.), commercial, or academic

Activity or Use	Source	Comments and supporting information
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Camping, hiking, rock climbing	<i>USFS</i>	<i>https://www.fs.usda.gov/recarea/coronado/recarea/?recid=25446</i>
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ADEQ Final Determination (1980's Rule) - Truxton Wash AZ15010007-002

1980's WOTUS Evaluation	NON-WOTUS 	WOTUS <input type="checkbox"/> Historic WOTUS	INCONCLUSIVE (Not enough information: ex. flow regime updates needed, eval tools do not apply, needs Signif nexus or seasonal test)	Notes Other Info: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data
Evaluation Tools (for streams only)	Result			
%Riparian Corridor	<input checked="" type="checkbox"/> Potentially Intermittent <input type="checkbox"/> Potentially Ephemeral			
Depth to Groundwater	<input type="checkbox"/> Potentially Intermittent <input type="checkbox"/> Potentially Ephemeral <input checked="" type="checkbox"/> Not Applicable			
Snowpack	<input type="checkbox"/> Potentially Intermittent <input checked="" type="checkbox"/> Not Applicable			
Combined Result (if any evaluation tool was potentially intermittent, check potentially intermittent here)	<input checked="" type="checkbox"/> Potentially Intermittent <input type="checkbox"/> Potentially Ephemeral			
Waterbody Name:	Truxton Wash	Evaluator:	Corinne Johnson, Colleen Cassidy	
Reach Name:	Wright Canyon to Red Lake	Date:	10/8/21, updated 5/4/22	
WBID:	AZ15010007-002	Lat/Long:	35.359161, -113.684759	
Interpretation of Results:				
<p>Truxton Wash (AZ15010007-002) has an undetermined flow regime on ADEQ's WOTUS Webmap. This reach is located in the Hualapai Wash terminal basin in Mohave County (Figure 1). The wash does not connect to a TNW and terminates in the Hualapai Wash basin, per the USGS Raindrop Tool (Figure 2).</p> <p>Truxton Wash lies within a terminal basin and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Truxton Wash is NON-WOTUS.</p> <p>Truxton Wash is not currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>				

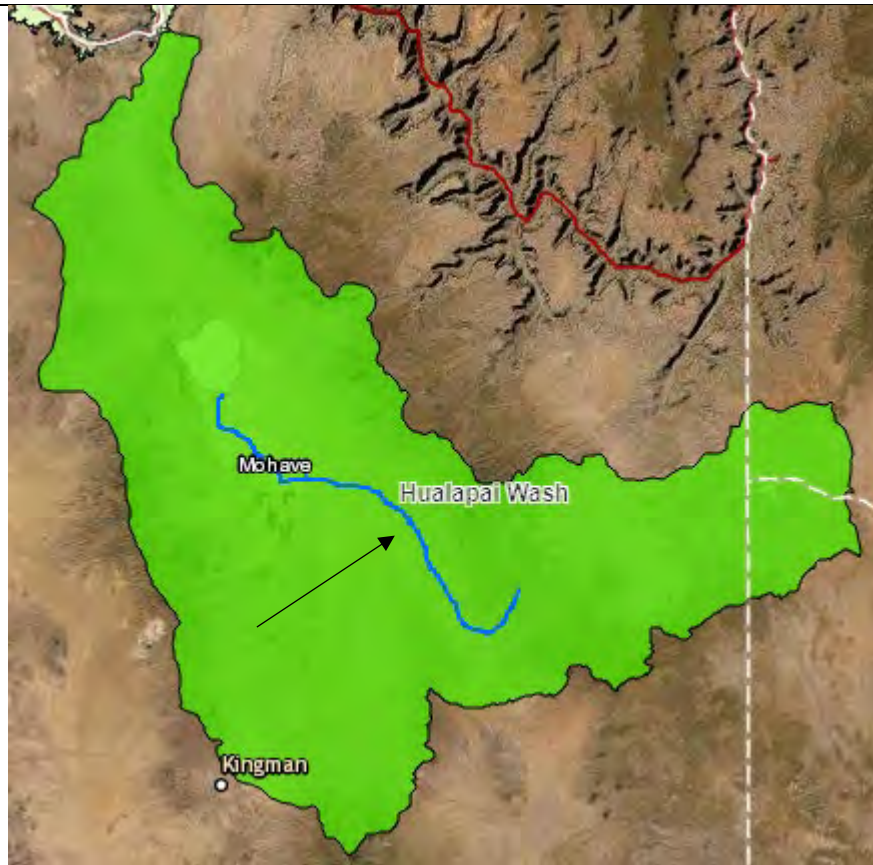


Figure 1. Truxton Wash (designated with an arrow) lies entirely in the Hualapai Wash terminal basin.



Figure 2. USGS Raindrop tool shows no connection to a TNW and terminates within Hualapai Wash Terminal Basin.

What is the non-WOTUS category for the Water Body?

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW

<input type="checkbox"/> 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
<input type="checkbox"/> 5. Other

ADEQ Final Determination (1980's Rule) – Truxton Wash AZ15010007-004

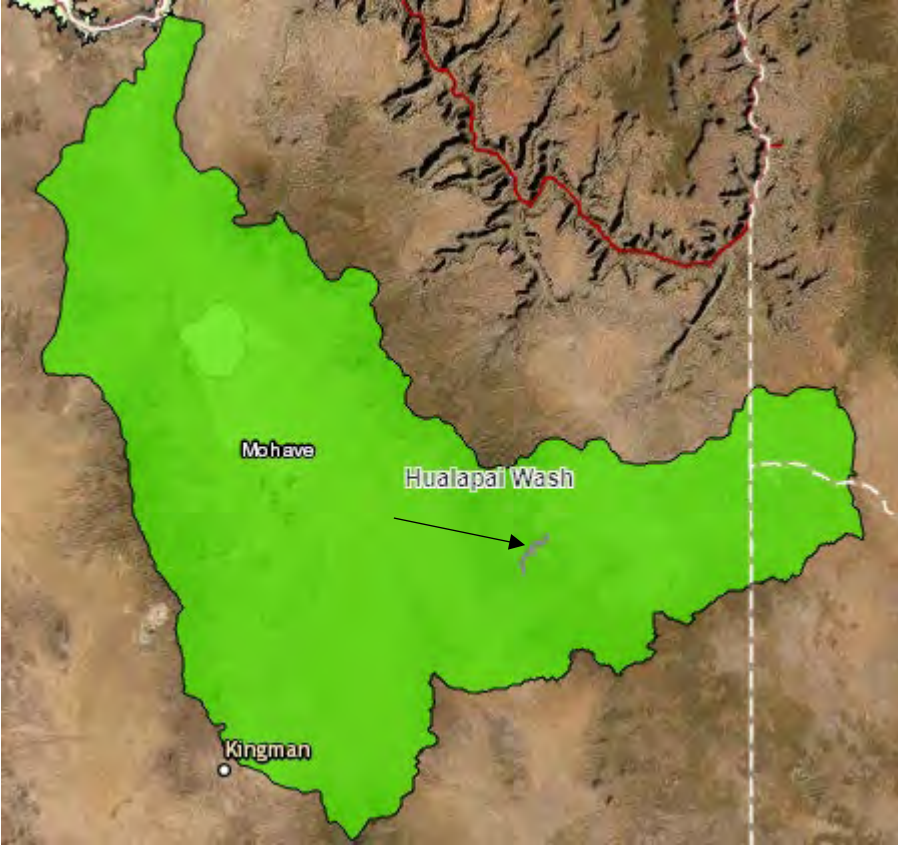
Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Truxton Wash		Evaluator:	Corinne Johnson	
Reach Name:	Rock Canyon to Wright Canyon		Date:	10/8/21	
WBID:	AZ15010007-004		Lat/Long:	35.444724, -113.614555	
Interpretation of Results:					
<p>Truxton Wash (AZ15010007-004) is located in the Hualapai Wash terminal basin in Mohave County (Figure 1). The wash does not connect to a TNW and terminates in the Hualapai Wash basin (Figure 2).</p> <p>Truxton Wash lies within a terminal basin and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Truxton Wash (AZ15010007-004) is NON-WOTUS.</p> <p>Truxton Wash is not currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>					
					
<p>Figure 1. Truxton Wash (designated with an arrow) lies entirely in the Hualapai Wash terminal basin.</p>					



Figure 2. USGS Raindrop tool shows no connection to a TNW and terminates within Hualapai Wash Terminal Basin.

What is the non-WOTUS category for the Water Body?

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination (1980's Rule) – Truxton Wash AZ15010007-006A

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Truxton Wash		Evaluator:	Corinne Johnson	
Reach Name:	Headwaters to Hualapai Reservation Boundary		Date:	10/8/21	
WBID:	AZ15010007-006A		Lat/Long:	35.473644, -113.309626	

Interpretation of Results:

Truxton Wash (AZ15010007-006A) is located in the Hualapai Wash terminal basin in Mohave County (Figure 1). The wash does not connect to a TNW and terminates in the Hualapai Wash basin (Figure 2).

Truxton Wash lies within a terminal basin and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Truxton Wash (AZ15010007-006A) is NON-WOTUS.

Truxton Wash is not currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.

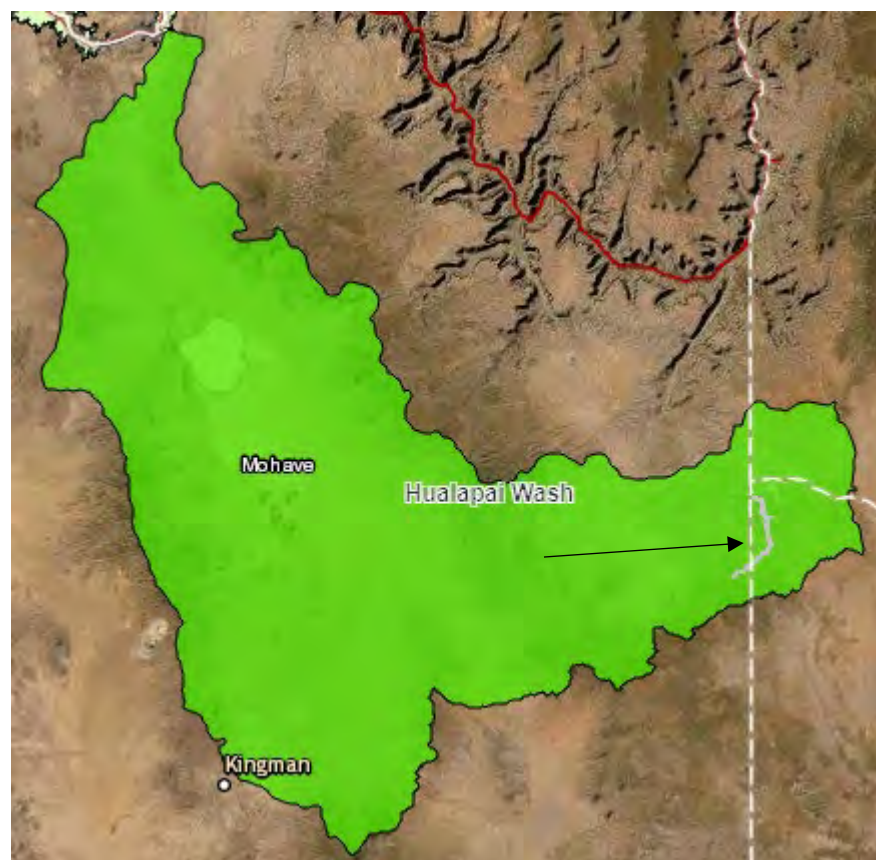


Figure 1. Truxton Wash (designated with an arrow) lies entirely in the Hualapai Wash terminal basin.



Figure 2. USGS Raindrop tool shows no connection to a TNW and terminates within Hualapai Wash Terminal Basin.

What is the non-WOTUS category for the Water Body?

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination (1980's Rule) – Truxton Wash AZ15010007-006B

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Truxton Wash	Evaluator:	Corinne Johnson	
Reach Name:	Hualapai Reservation Boundary to Rock Canyon	Date:	10/8/21	
WBID:	AZ15010007-006B	Lat/Long:	35.479691, -113.5408	

Interpretation of Results:

Truxton Wash (AZ15010007-006B) is located in the Hualapai Wash terminal basin in Mohave County (Figure 1). The wash does not connect to a TNW and terminates in the Hualapai Wash basin (Figure 2).

Truxton Wash lies within a terminal basin and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Truxton Wash (AZ15010007-006B) is NON-WOTUS.

Truxton Wash is not currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.

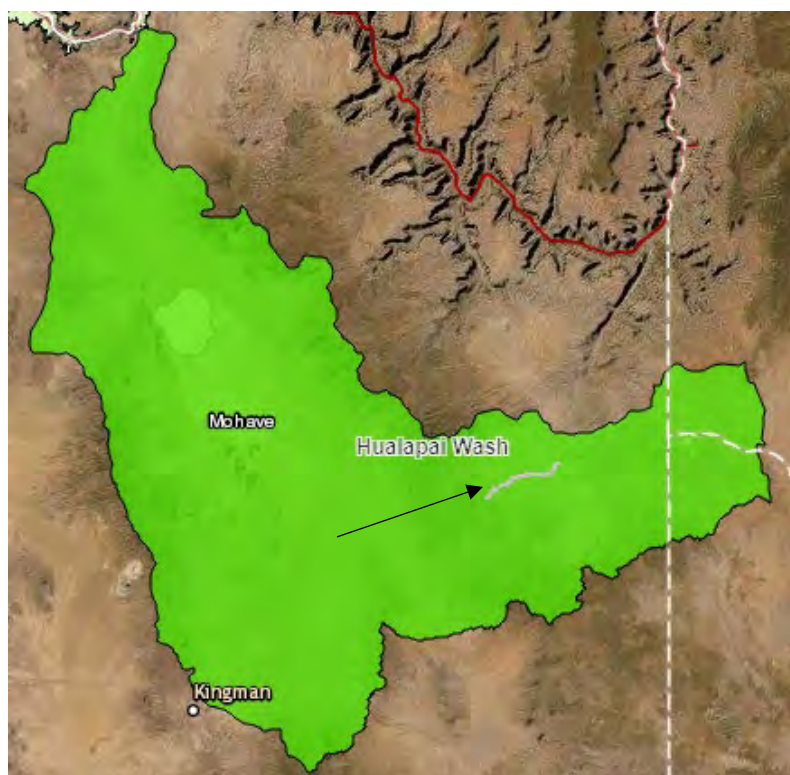


Figure 1. Truxton Wash (designated with an arrow) lies entirely in the Hualapai Wash terminal basin.



Figure 2. USGS Raindrop tool shows no connection to a TNW and terminates within Hualapai Wash Terminal Basin.

What is the non-WOTUS category for the Water Body?

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination (1980's Rule) – Turkey Creek AZ15050201-002A

Final WOTUS Evaluation	<div style="border: 2px solid black; border-radius: 50%; width: 150px; height: 150px; display: flex; align-items: center; justify-content: center;"> <div style="background-color: red; color: white; padding: 5px; text-align: center;"> NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT </div> <div style="background-color: yellow; color: black; padding: 5px; text-align: center; margin-left: 10px;"> INCONCLUSIVE </div> <div style="background-color: green; color: white; padding: 5px; text-align: center;"> WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT </div> </div>		Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
	Waterbody Name: Turkey Creek	Evaluator: Mackenzie Moore	
Reach Name:	Headwaters to Rock Creek	Date:	10/12/2021
WBID:	AZ15050201-002A	Lat/Long:	31.866067, -109.380354
Interpretation of Results:			
<p>Turkey Creek (AZ15050201-002A) is located within the Willcox Playa terminal basin (Figure 1). The USGS Raindrop Tool shows that the flowpath terminates shortly beyond Turkey Creek in Willcox Playa (Figure 2).</p> <p>Turkey Creek is located within the Willcox Playa terminal basin and is therefore not connected to a TNW and is not a WOTUS under the 1980's definition of WOTUS (Figure 3 and 4). The results of the WOTUS evaluation and all available data indicates that Turkey Creek AZ15050201-002A is NON-WOTUS.</p> <p>Turkey Creek is currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>			

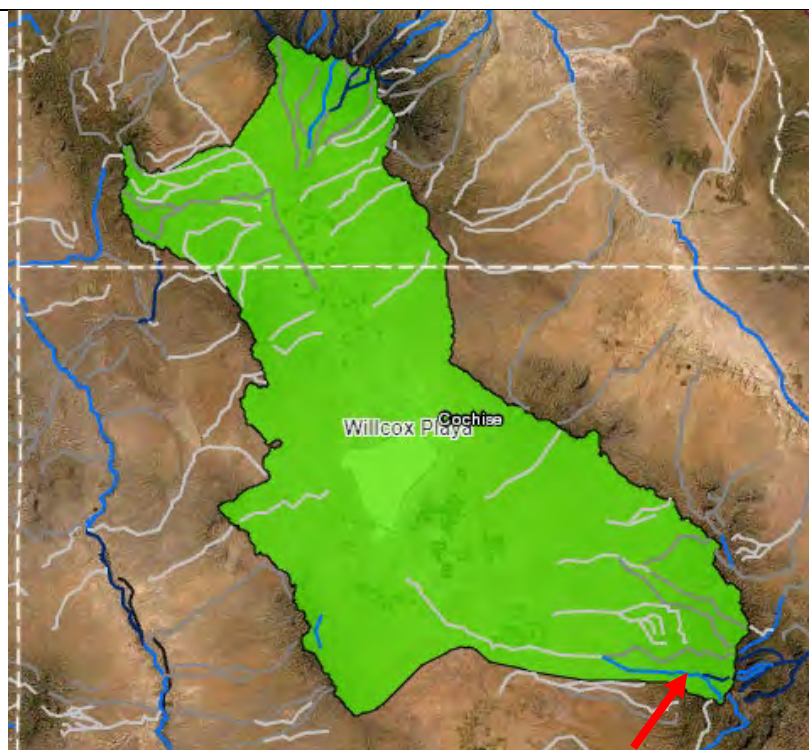


Figure 1. Aerial Imagery from the WOTUS Webmap with the Terminal Basins Under the 1980s WOTUS Rule layer turned on shows that Turkey Creek lies entirely within the Willcox Playa terminal basin.



Figure 2. The Raindrop Tool from USGS traces a flowpath that terminates in the Willcox Playa terminal basin and before reaching a TNW.



Figure 3. Google Earth Pro Imagery (2021) showing the downstream portion of Turkey Creek (15050201-002A).

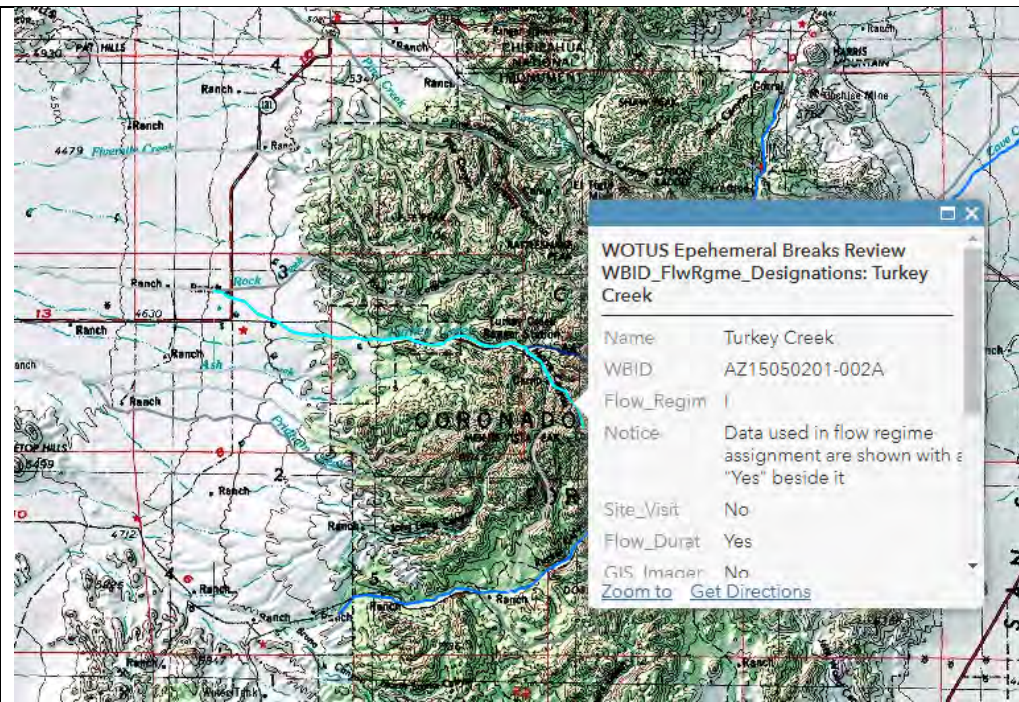


Figure 4. Topographic map from the WOTUS webmap showing Turkey Creek (15050201-002A).

What is the non-WOTUS category for the Water Body?

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination (1980's Rule) – Turkey Creek AZ15050201-002B

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
	Waterbody Name: Turkey Creek			Evaluator: Mackenzie Moore		
	Reach Name: Rock Creek to Terminus			Date: 10/12/2021		
	WBID: AZ15050201-002B			Lat/Long: 31.892755, -109.566322		
Interpretation of Results:						
<p>Turkey Creek (AZ15050201-002B) is located within the Willcox Playa terminal basin (Figure 1). The USGS Raindrop Tool shows that the flowpath terminates shortly beyond Turkey Creek in Willcox Playa (Figure 2).</p> <p>Turkey Creek is located within the Willcox Playa terminal basin and is therefore not connected to a TNW and is not a WOTUS under the 1980's definition of WOTUS (Figure 3 and 4). The results of the WOTUS evaluation and all available data indicates that Turkey Creek AZ15050201-002B is NON-WOTUS.</p> <p>Turkey Creek is currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>						

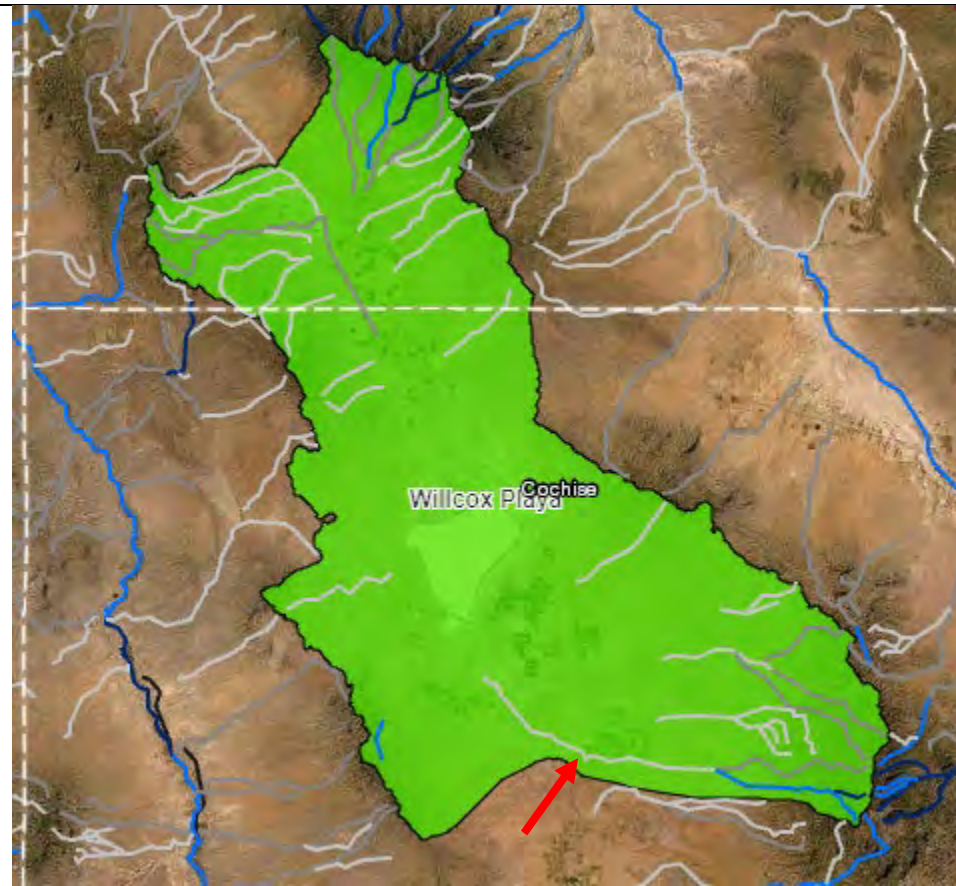


Figure 1. Aerial imagery from the WOTUS Webmap with the Terminal Basins Under the 1980s WOTUS Rule layer turned on shows that Turkey Creek lies entirely within the Willcox Playa terminal basin.

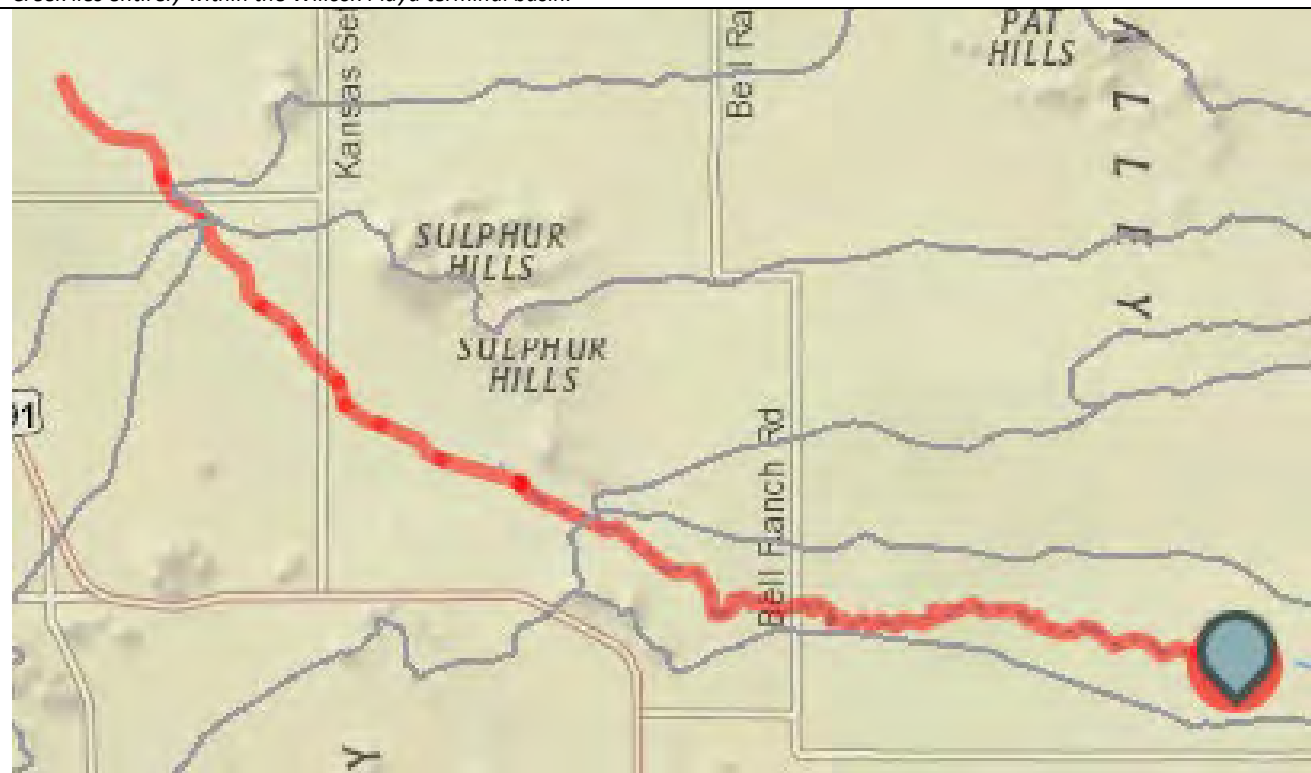


Figure 2. The Raindrop Tool from USGS traces a flowpath that terminates in the Willcox Playa terminal basin and before reaching a TNW.



Figure 3. Google Earth Pro Imagery (2021) showing terminus (red circle) of Turkey Creek (15050201-002B).

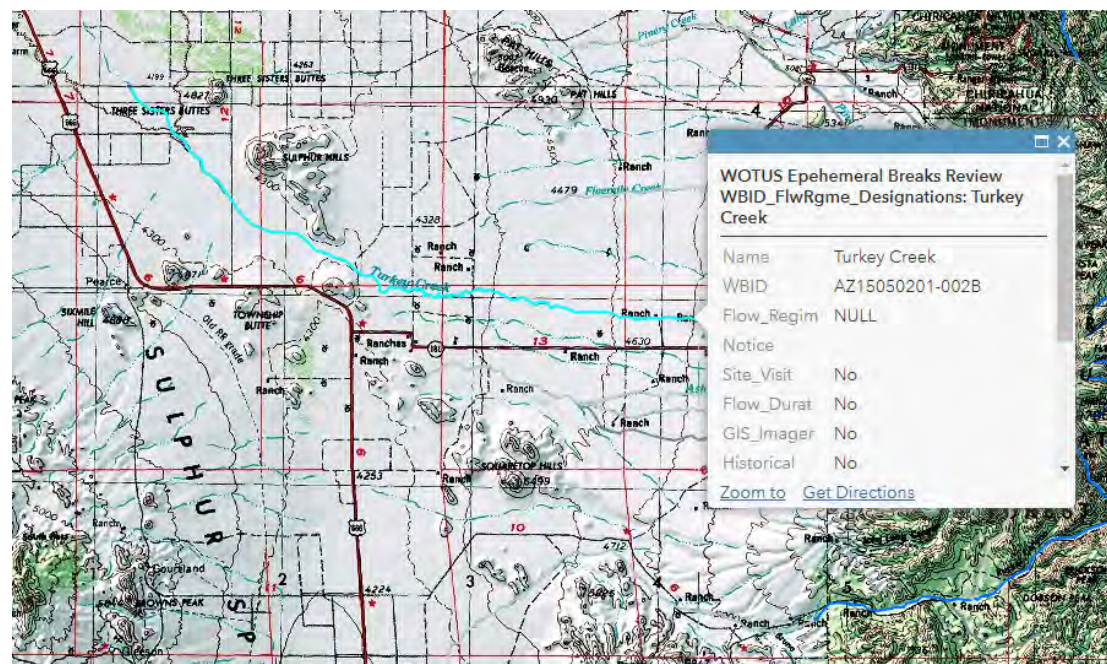


Figure 4. Topographic map from the WOTUS webmap showing the terminus of Turkey Creek (15050201-002B).

What is the non-WOTUS category for the Water Body?

- ☒ 1. Reach lies within a Terminal basin

<input type="checkbox"/> 2. Artificial lakes with no connectivity
<input type="checkbox"/> 3. Upland ditches with no connectivity to a TNW
<input type="checkbox"/> 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
<input type="checkbox"/> 5. Other

**ADEQ Draft Screening Level WOTUS Evaluation – Unnamed Trib to Oklahoma Flats Draw
AZ15020010-033 connected to Black Mesa AZ0025224**

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Conditions <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet	
Screening Level WOTUS Result (circle option after completing all tasks)	NON-WOTUS (eg. Terminal Basin)	Likely WOTUS (Potentially Intermittent or better in the study reach and all downstream reaches)	Likely Non-WOTUS (Potentially ephemeral Flow Regime in study reach or one downstream reach)	INCONCLUSIVE (Not enough information: ex. flow regime updates needed, eval tools do not apply, etc...)
Evaluation Tools (for streams only)	Result			
%Riparian Corridor	<input type="checkbox"/> Potentially Intermittent X Potentially Ephemeral			
Depth to Groundwater	<input type="checkbox"/> Potentially Intermittent X Potentially Ephemeral <input type="checkbox"/> Not Applicable			
Snowpack	X Potentially Intermittent <input type="checkbox"/> Not Applicable			
Combined Result (if any evaluation tool was potentially intermittent, check potentially intermittent here)	X Potentially Intermittent <input type="checkbox"/> Potentially Ephemeral			

Waterbody Name:	Unnamed Trib to Oklahoma Flats Draw	Evaluator:	Julia A. Rowe
Reach Name:	Unnamed tributary to Oklahoma Flats Draw	Date:	8/17/2021
WBID:	AZ15020010-033	Lat/Long:	34.388812, -110.563139

Interpretation of Results:
<p>Unnamed Trib to Oklahoma Flats Draw AZ15020010-033 has a null flow regime on ADEQ's Flow Regime map.</p> <p>ADEQ Screening Level Tools were applied to the reach to estimate flow regime, with the following combined result of "potentially intermittent":</p> <ul style="list-style-type: none"> 0% riparian corridor indicating potentially ephemeral flow regime, depth to ground water data somewhat lacking, but nearby (within about 0.6 miles) wells indicated potentially ephemeral, snowpack tool indicated potentially intermittent <p>This stream reach flows into the Oklahoma Flat Draw meadow area and the high resolution NHD linework ends there and does not connect to Oklahoma Flat Draw downstream, except perhaps during diffuse runoff from storm events (Figures 1 & 2). The USGS Raindrop tool erroneously finds a connection to the downstream TNW despite Oklahoma Flat Draw appearing to be a closed basin that is isolated (Figure 4).</p> <p>There was a previous site investigation (P.Spindler, 2017) for this stream reach which included the following information (Figure 3):</p>

"An investigation of the channel features draining away from the Black Mesa Ranger Station property and a search for channel features from Highway 260 in Overgaard to Oklahoma Flat Draw was conducted on 10-24-17 (Figures 1 & 2). Topo maps of the Oklahoma Flat area indicate an unnamed channel runs past the Black Mesa Ranger Station but ends just north of Hwy 260 (Figure 3). We drove around the area checking for channel indicators at the Hwy260 crossing, on roads intersecting Oklahoma Flat, surrounding the golf course and near Oklahoma Flat Draw, east of the golf course.

Typical channel features indicative of active hydrology for any given channel includes a bed, bank, and ordinary high-water mark (OHWM) indicators. The stream bed and bank are distinct features from the uplands, exhibiting scour and depositional features from streamflow. OHWM indicators include: a line on the shore established by fluctuations of water and indicated by physical characteristics such as a clear, natural line impressed on the bank, shelving, changes in the character of the soil, destruction of terrestrial vegetation or presence of litter and debris.

None of these typical channel features were evident from the Black Mesa Ranger District property to Oklahoma Flat Draw. Our findings are: 1) there is only a short length of swale adjacent the Black Mesa RD property and 2) there are no channel features present downstream of the Black Mesa Ranger District property, in neighboring fields, nor at/surrounding the golf course, nor connecting to Oklahoma Flat Draw (Figure 5). Therefore, we find that there is no WOTUS present.

Our specific findings are as follows:

- A swale feature is evident for approx. 100m from the Black Mesa Ranger District property to a culvert at Hwy260 in Overgaard
- The swale continues on the north side of Hwy260 from culvert to approx. 100m north alongside a parking lot at "The Cabin Bar and Grill" property and disappears into an open grassy field beyond that
- There are no channel features evident in field in Oklahoma Flat area, north of Hwy260, adjacent Sunflower Drive and west of golf course, as indicated in NED 5m topo map (Figure 5)

The results of the WOTUS evaluation and all available data indicate that the Unnamed tributary to Oklahoma Flats Draw is a potentially intermittent reach, but is a disconnected water from downstream waters and the TNW and thus is **NON-WOTUS**.

Step 1: Screening Tool - Flow path

Primary Tool: USGS Stream Stats Flowpath (Raindrop) Tool

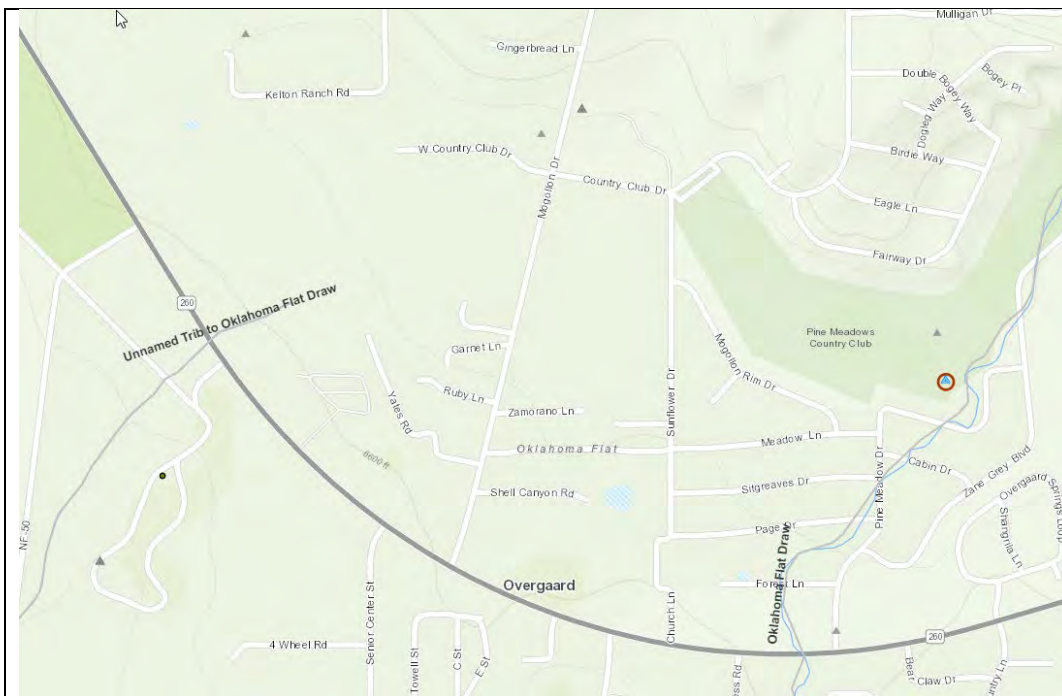


Figure 1. Location of Unnamed trib to Oklahoma Flat Draw, the meadow area, and Oklahoma Flat Draw.



Figure 2. Topo map of Oklahoma Flat study area, arrow indicates end of reach.

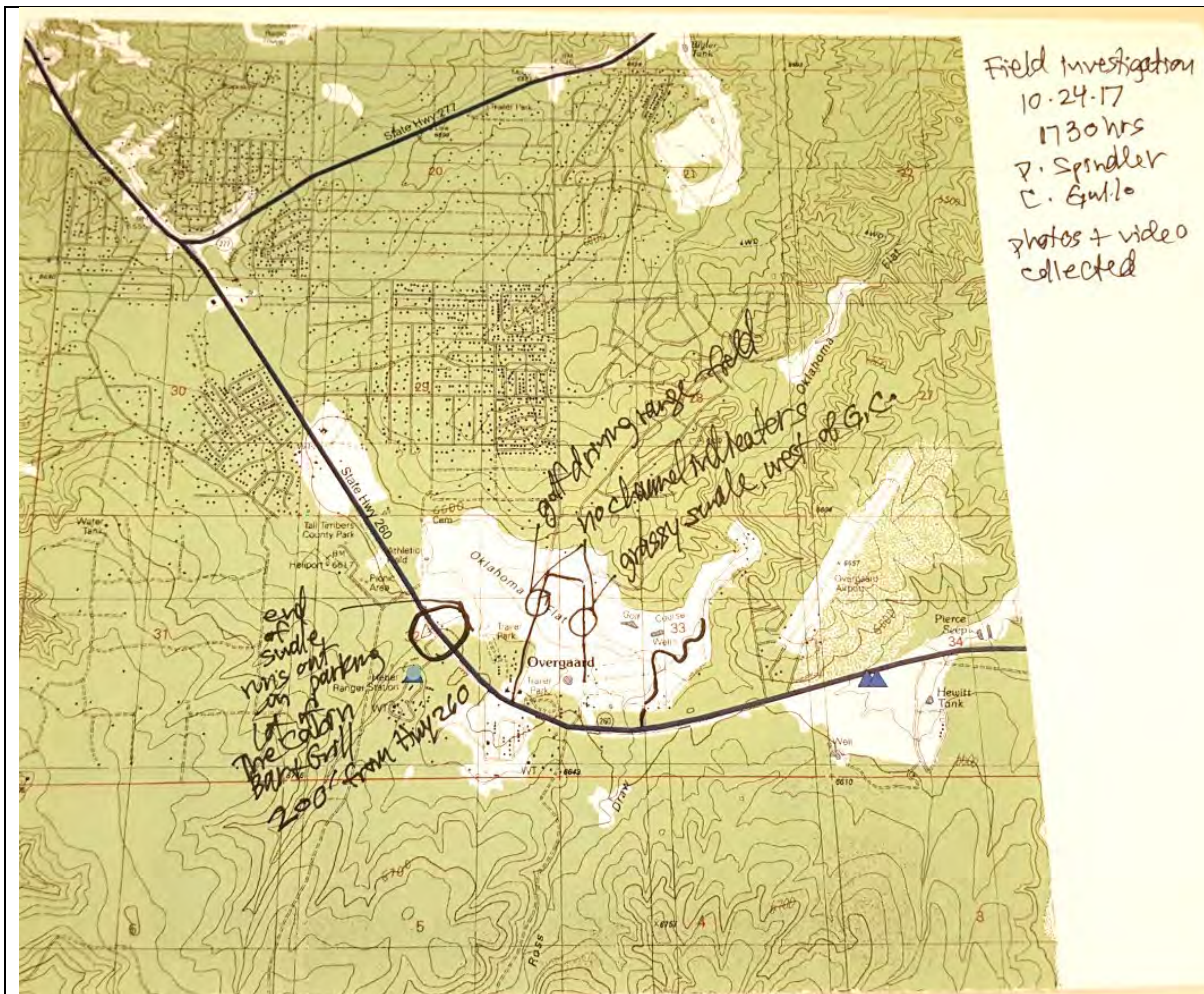


Figure 3. Field investigation of channel features in Overgaard area (P. Spindler 10-24-17)

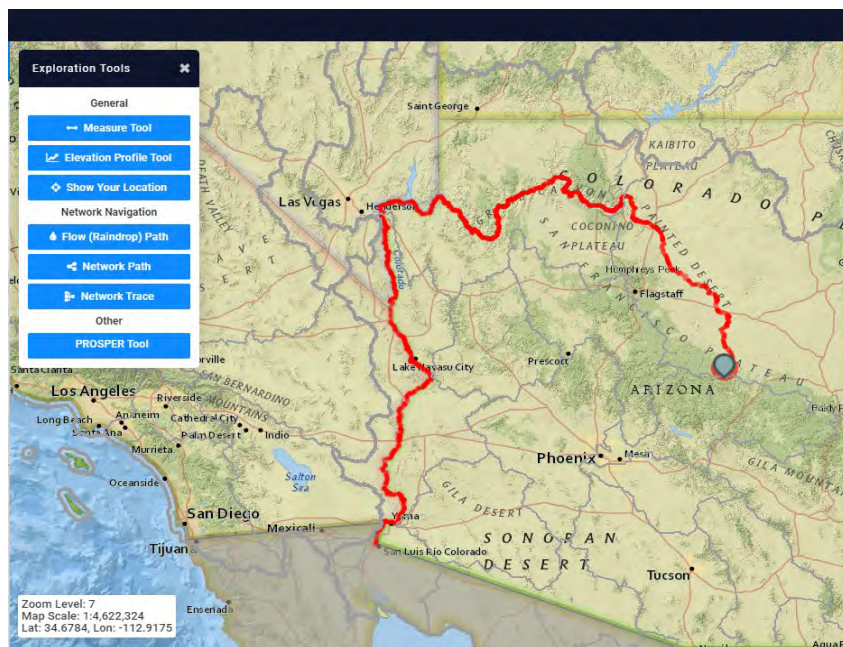


Figure 4. Raindrop tool erroneously indicates connection to TNW



Figure 5. No evident connectivity using NED 5meter topo lines and Google Earth imagery

Step 2: Screening Tool - TNW Identification

Primary Tool: Wotus Review Webmap

The USGS Raindrop tool erroneously traces a flowpath to the Colorado River TNW-Mainstem, Lake Powell to Lake Mead. There is not evidence from aerial or topographic imagery that this would occur.

Step 3: Screening Tool - Flow Regime and Reach Lengths of the Flow Path

Primary Tool: ADEQ WOTUS Review Webmap or ADEQ AZMapper

WBID #	Reach Name and length in Miles	Flow Regime (est. for lakes from imagery)
AZ15020010-033	Unnamed trib to Oklahoma Flats Draw	Null

Step 4: Evaluation Tool - Riparian Corridor (for all null, undetermined, or ephemeral stream reaches listed in Step 3)

Primary Tool: ADEQ WOTUS Review Webmap "USA NAIP imagery 2017" layer

Secondary Tool: Google Earth Pro (Riparian corridors and historical imagery)

WBID #	Measured Riparian Corridor (Mi)	Reach Length (Mi)	Riparian Corridor % (Measured Riparian Corridor/Reach Length)*100	Estimated Flow Regime (≥ 50% Potentially Intermittent, <50% Potentially Ephemeral)
AZ15020010-033	0	1.58	0	<50% Potentially ephemeral

Step 5: Evaluation Tool – Depth to Groundwater (for all null or undetermined stream reaches listed in Step 3)

Primary Tool: ADEQ WOTUS Review Webmap "GWT-GWSI" and "GWT-Wells55" layers

WBID #	GW Well LOCAL_ID#	Last well level date	Depth to GW at streambed thalweg (ft)	Average of three wells in reach	Estimated Flow Regime (0-33' potentially intermittent, >33' Potentially Ephemeral)
AZ15020010-033					NA

Step 6: Evaluation Tool - Snowpack (for all null or undetermined stream reaches listed in Step 3)**Primary Tool:** ADEQ WOTUS Review Webmap "Snowpack Regions" layer

WBID #	Waterbody Name	Any Part of Reach Located ≥6500 feet (Y/NA)?	Estimated Flow Regime (≥6500 feet Potentially Intermittent, NA leave blank)
AZ15020010-033	Unnamed trib to Oklahoma Flats Draw	Y	≥6500 feet Potentially intermittent

ADEQ Final Determination – Vail Lake AZL15020015-3380

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
	Waterbody Name: Vail Lake			Evaluator: Kali Johnson		
	Reach Name:			Date: 9/13/2021		
	WBID: AZL15020015-3380			Lat/Long: 35.0897278°, 111.5128778°		
Interpretation of Results:						
<p>Vail Lake (AZL15020015-3380) is located southeast of Flagstaff. The lake has no outlet to a natural channel or downstream TNW (Figure 1). The USGS Raindrop Tool erroneously shows connectivity from Vail Lake to the Colorado River (Figure 2). That flowpath does not match the topo map, which indicates this lake is isolated with no outlet to downstream waters (Figure 3).</p> <p>Vail Lake is hydrologically isolated and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Vail Lake AZL15020015-3380 is NON-WOTUS.</p> <p>This waterbody is currently listed on the draft AZ Protected Surface Water List of the state Surface Water Protection Program.</p>						



Figure 1. WOTUS Webmap NAIP 2017 imagery showing Vail Lake (in purple) with proximity to waterbodies Newman Canyon, Youngs Canyon, Babbit Spring Wash, Unnamed Trib to Lower Lake Mary, and Howard Draw.



Figure 2. USGS Raindrop tool erroneously shows that Vail Lake has connectivity to the Colorado River TNW.



Figure 3. Topographic imagery shows that Vail Lake is isolated and does not have connectivity to nearby waterbodies.

What is the non-WOTUS category for the Water Body?
(select one after all evaluations have been completed)?

- ☐ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☒ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

Known Uses of the Study Water Body

Activity or Use	Source	Comments and supporting information
Hiking and wildlife observation	https://www.azwatc.org/wildlife.com/vail-lake	

ADEQ Final Determination (1980's Rule) – Ward Canyon AZ15050201-433

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Ward Canyon		Evaluator:	Mackenzie Moore	
Reach Name:	Headwaters to Turkey Creek		Date:	10/12/2021	
WBID:	AZ15050201-433		Lat/Long:	31.860411, -109.309871	
Interpretation of Results:					
<p>Ward Canyon (AZ15050201-433) is a perennial stream reach located within the Willcox Playa terminal basin (Figure 1). The USGS Raindrop Tool shows that the flowpath terminates shortly beyond Ward Canyon in Willcox Playa (Figure 2).</p> <p>Ward Canyon is located within the Willcox Playa terminal basin and is therefore not connected to a TNW and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Ward Canyon AZ15050201-433 is NON-WOTUS.</p> <p>Ward Canyon is currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>					

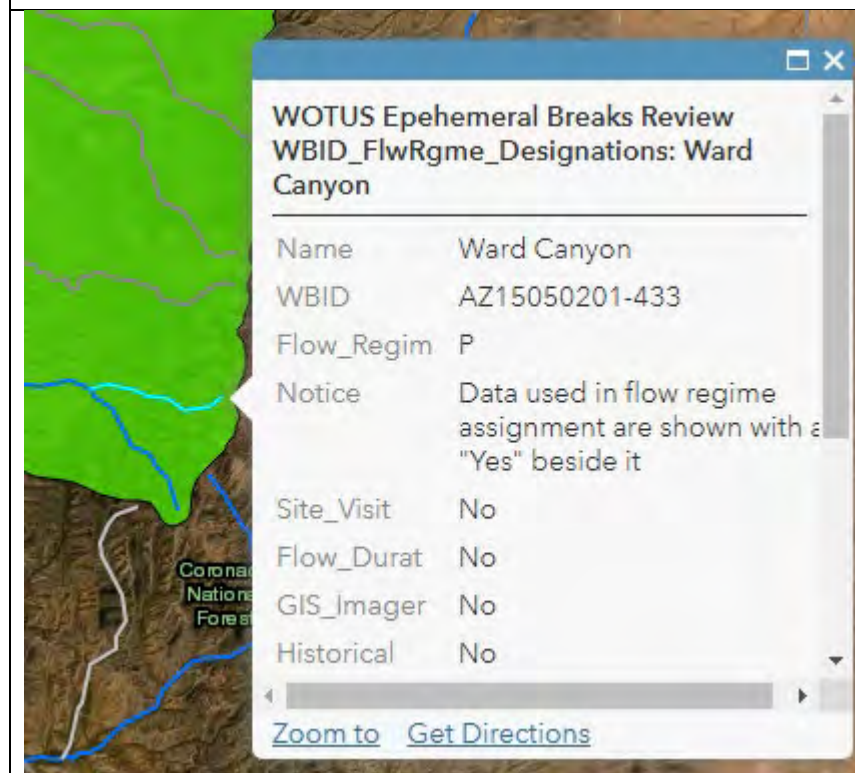


Figure 1. Aerial imagery from the WOTUS Webmap with the Terminal Basins Under the 1980s WOTUS Rule layer turned on shows that Ward Canyon lies entirely within the Willcox Playa terminal basin.



Figure 2. The Raindrop Tool from USGS traces a flowpath that terminates in Willcox Playa and before reaching a TNW.

What is the non-WOTUS category for the Water Body?

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination – Water Canyon Reservoir AZL15020001-0011

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
	Waterbody Name: Water Canyon Reservoir			Evaluator: Mackenzie Moore		
	Reach Name:			Date: 9/29/2021		
	WBID: AZL15020001-0011			Lat/Long: 34.060257, -109.438921		
Interpretation of Results:						
<p>Water Canyon Reservoir (AZL15020001-0011) is located in eastern Arizona and is estimated to be an intermittent lake based on WOTUS Webmap and Google Earth imagery (Figure 1). The USGS Raindrop Tool shows connectivity from Water Canyon Reservoir to the Little Colorado River and then the Colorado River TNW-Lake Mead to Lake Powell, however this flow path is incorrect because there are no visible channels observed in satellite imagery (Figure 2). Topographic maps also show that the lake does not have connectivity to the Little Colorado River (Figure 3).</p> <p>Water Canyon Reservoir is an isolated lake and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Water Canyon Reservoir AZL15020001-0011 is NON-WOTUS.</p> <p>This waterbody is currently listed on the AZ Protected Surface Water List of the state Surface Water Protection Program.</p>						



Figure 1. Aerial imagery of Water Canyon Reservoir (bottom right) with the NHD and flow regime layers of the WOTUS Webmap turned on. No channels providing connectivity from Water Canyon Reservoir to the Little Colorado River are visible .



Figure 2. The USGS Raindrop tool shows that the flowpath from Water Canyon Reservoir reaches the Colorado River TNW, however this flowpath is incorrect.

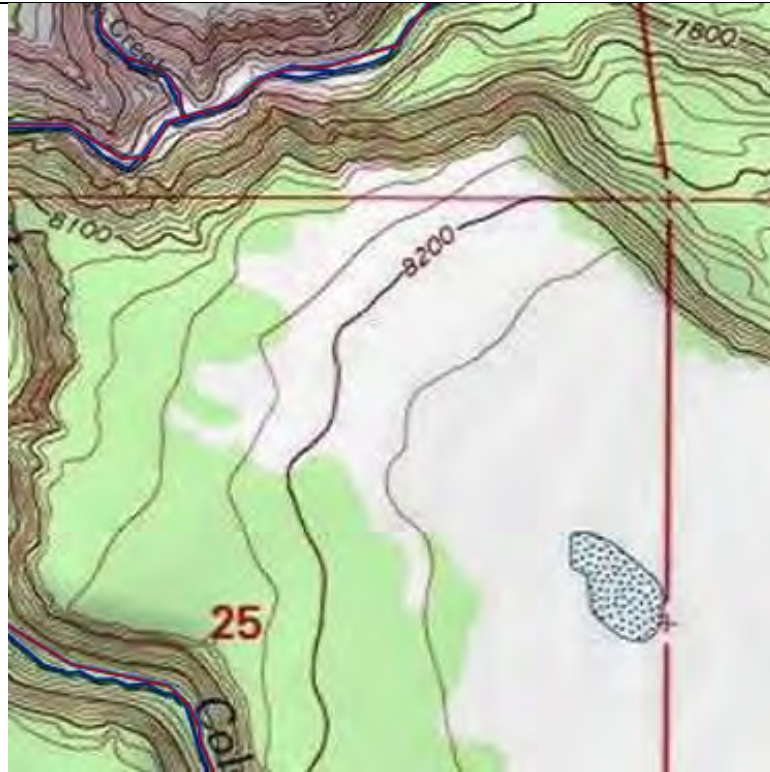


Figure 3. Topographic imagery shows that Water Canyon Reservoir is an isolated lake.

What is the non-WOTUS category for the Water Body?

- ☐ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☒ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination – Wellton Pond 1 AZL15070201-0004A

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
	Waterbody Name: Wellton Pond 1			Evaluator: Kali Johnson		
	Reach Name:			Date: 9/13/21		
	WBID: AZL15070201-0004A			Lat/Long: 32.676496, -114.136382		
Interpretation of Results:						
<p>Wellton Pond (AZL15070201-0004A) is one of four isolated ponds located near an agricultural field in Wellton, east of Yuma (Figure 1). The USGS raindrop tool shows connectivity to a downstream TNW, however, this flowpath is incorrect because topographic and aerial imagery show no channel connectivity and there are no visible outlets to Wellton Canal or a stream to the west (Figures 2, 3, 4 & 5). All 4 ponds are located within Butterfield Golf Course.</p> <p>Wellton Pond is an isolated lake and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Wellton Pond 1 AZL15070201-0004A is NON-WOTUS.</p> <p>This waterbody is currently listed on the draft AZ Protected Surface Water List of the state Surface Water Protection Program.</p>						



Figure 1. Google Earth imagery showing Wellton Pond 1 located within Butterfield Golf Course. There are no visible channels or outlets present.



Figure 2. USGS Raindrop Tool incorrectly showing connectivity to the Gila River and then on to the Colorado River.

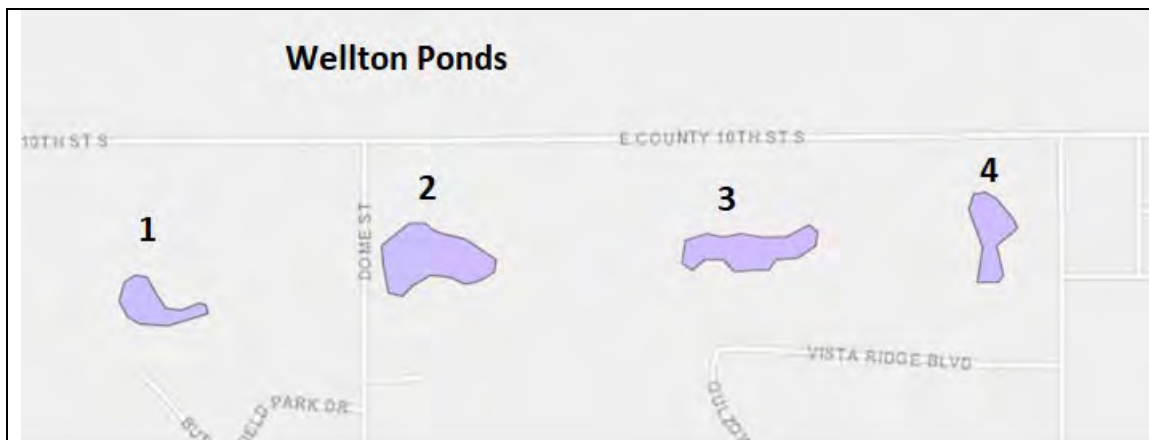


Figure 3. WOTUS Webmap topographic imagery showing the 4 Wellton ponds. These ponds are isolated and do not have downstream connectivity.

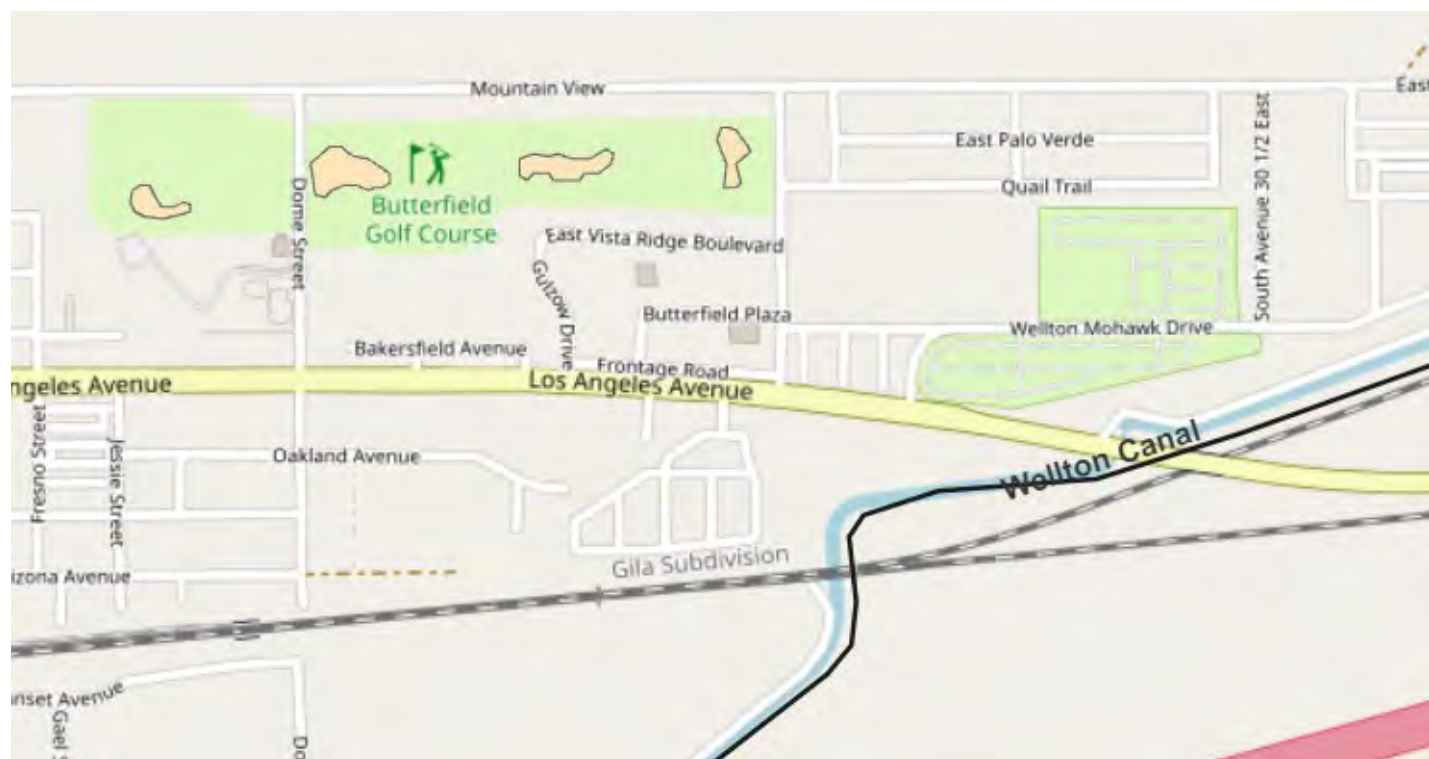


Figure 4. WOTUS Webmap topographic imagery showing the 4 Wellton ponds located within Butterfield Gold Course. These ponds are isolated and do not have downstream connectivity, despite proximity to Wellton Canal.



Figure 5. WOTUS Webmap topographic imagery showing the 4 Wellton ponds. These ponds are isolated and do not have connectivity, despite proximity to stream indicated by the arrow.

What is the non-WOTUS category for the Water Body?
<input type="checkbox"/> 1. Reach lies within a Terminal basin
<input type="checkbox"/> 2. Artificial lakes with no connectivity
<input type="checkbox"/> 3. Upland ditches with no connectivity to a TNW
<input checked="" type="checkbox"/> 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
<input type="checkbox"/> 5. Other

Known Uses of the Study Water Body		
Activity or Use	Source	Comments and supporting information
Recreation	AZMapper	All 4 ponds located within Butterfield Golf Course

ADEQ Final Determination – Wellton Pond 2 AZL15070201-0004B

Final WOTUS Evaluation	<div style="border: 2px solid black; border-radius: 50%; width: 150px; height: 150px; background-color: red; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="text-align: center;"> NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT </div> </div>		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet		
	Waterbody Name:	Wellton Pond 2				Evaluator:	Kali Johnson
	Reach Name:					Date:	9/13/21
	WBID:	AZL15070201-0004B				Lat/Long:	32.676944, -114.132944
Interpretation of Results:							
<p>Wellton Pond (AZL15070201-0004B) is one of four isolated ponds located near an agricultural field in Wellton, east of Yuma (Figure 1). The USGS raindrop tool shows connectivity to a downstream TNW, however, this flowpath is incorrect because topographic and aerial imagery show no channel connectivity or visible outlets to Wellton Canal or a stream to the west (Figures 2, 3, 4 & 5). All 4 ponds are located within Butterfield Golf Course.</p> <p>Wellton Pond is an isolated lake and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Wellton Pond 1 AZL15070201-0004B is NON-WOTUS.</p> <p>This waterbody is currently listed on the draft AZ Protected Surface Water List of the state Surface Water Protection Program.</p>							




Figure 1. Google Earth imagery showing Wellton Pond 2 located within Butterfield Golf Course. There are no visible channels or outlets present.



Figure 2. USGS Raindrop Tool incorrectly showing connectivity to the Gila River and then on to the Colorado River.

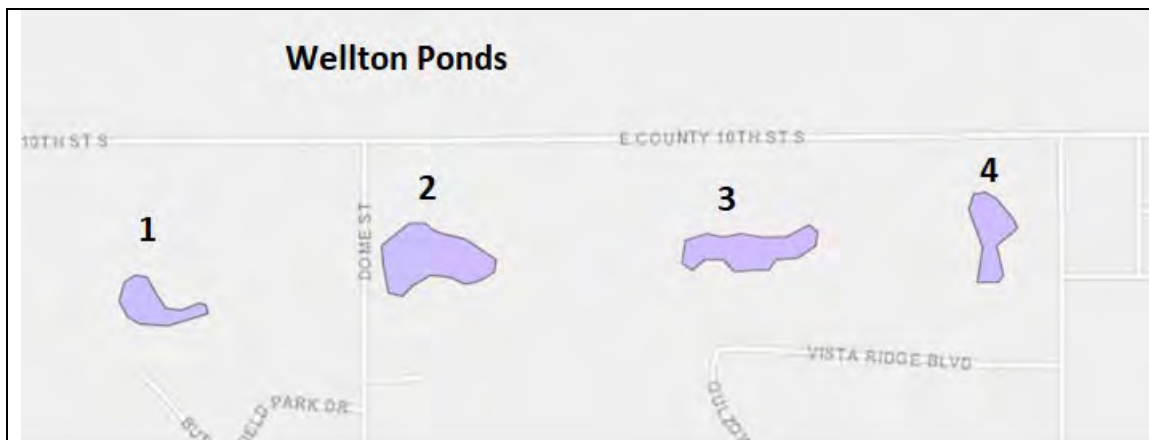


Figure 3. WOTUS Webmap topographic imagery showing the 4 Wellton Ponds. They are isolated and do not have connectivity to any other waterbodies.

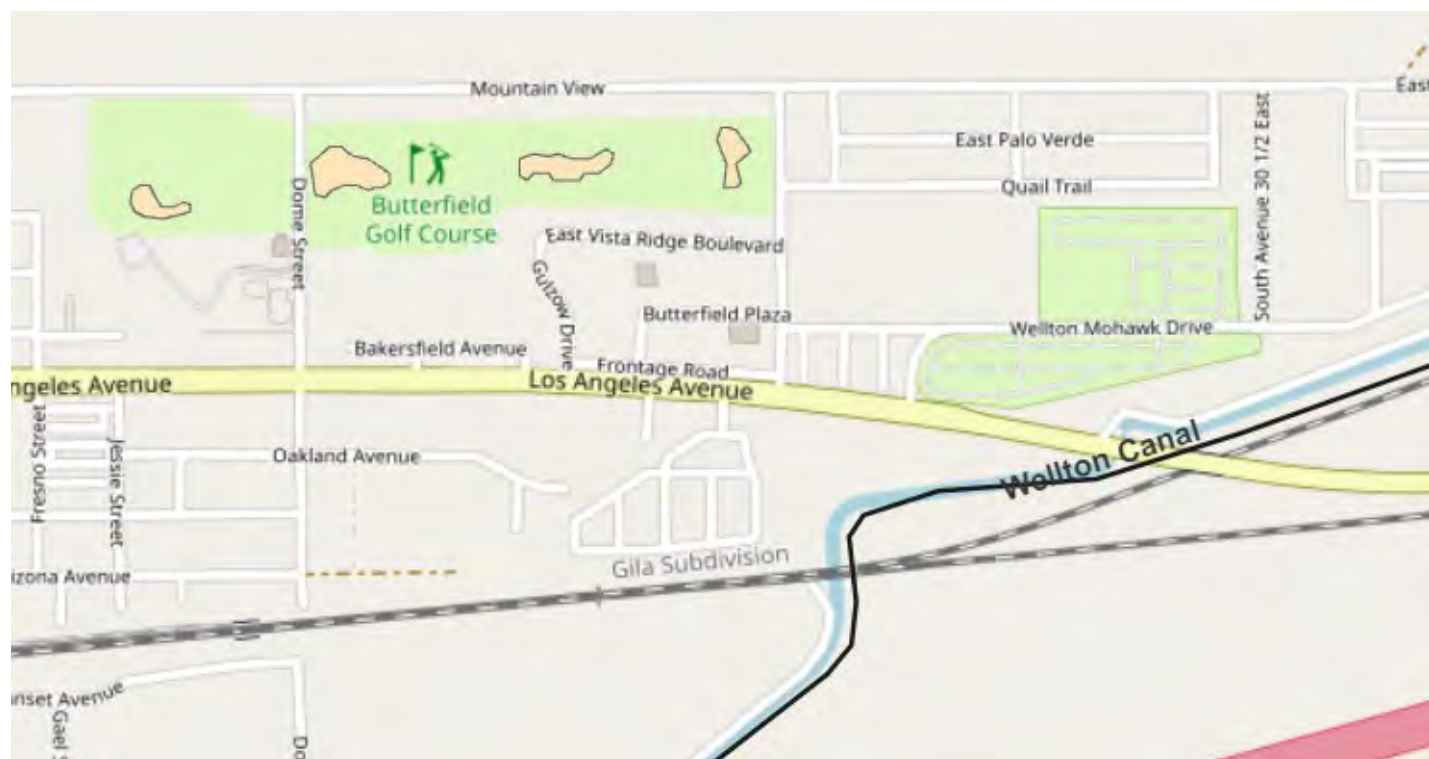


Figure 4. WOTUS Webmap topographic imagery showing the 4 Wellton Ponds located within Butterfield Gold Course. These ponds are isolated and do not have downstream connectivity, despite proximity to Wellton Canal.



Figure 5. WOTUS Webmap topographic imagery showing the 4 Wellton Ponds. These ponds are isolated and do not have connectivity, despite proximity to stream indicated by the arrow.

What is the non-WOTUS category for the Water Body?
<input type="checkbox"/> 1. Reach lies within a Terminal basin
<input type="checkbox"/> 2. Artificial lakes with no connectivity
<input type="checkbox"/> 3. Upland ditches with no connectivity to a TNW
<input checked="" type="checkbox"/> 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
<input type="checkbox"/> 5. Other

Known Uses of the Study Water Body		
Activity or Use	Source	Comments and supporting information
Recreation	AZMapper	All 4 ponds located within Butterfield Golf Course

ADEQ Final Determination - Wellton Pond 3 AZL15070201-0004C

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
	Waterbody Name: Wellton Pond 3			Evaluator: Kali Johnson		
	Reach Name:			Date: 9/13/21		
	WBID: AZL15070201-0004C			Lat/Long: 32.67698, -114.129018		
Interpretation of Results:						
<p>Wellton Pond (AZL15070201-0004C) is one of four isolated ponds located near an agricultural field in Wellton, east of Yuma (Figure 1). The USGS raindrop tool shows connectivity to a downstream TNW, however, this flowpath is incorrect because topographic and aerial imagery show no channel connectivity or visible outlets to Wellton Canal or a stream to the west (Figures 2, 3, 4 & 5). All 4 ponds are located within Butterfield Golf Course.</p> <p>Wellton Pond is an isolated lake and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Wellton Pond 1 AZL15070201-0004C is NON-WOTUS.</p> <p>This waterbody is currently listed on the draft AZ Protected Surface Water List of the state Surface Water Protection Program.</p>						



Figure 1. Google Earth imagery showing Wellton Pond 3 located within Butterfield Golf Course. There are no visible channels or outlets present.



Figure 2. USGS Raindrop Tool incorrectly showing connectivity to the Gila River and then on to the Colorado River.

Wellton Ponds

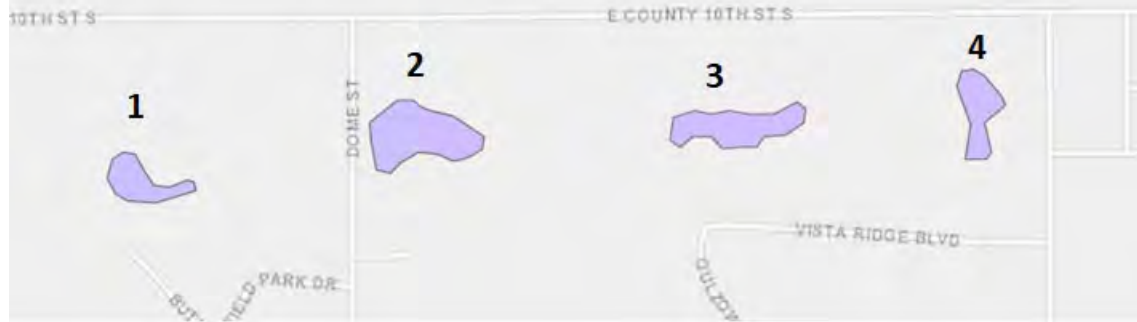


Figure 3. WOTUS Webmap topographic imagery showing the 4 Wellton ponds. These ponds are isolated and do not have downstream connectivity.

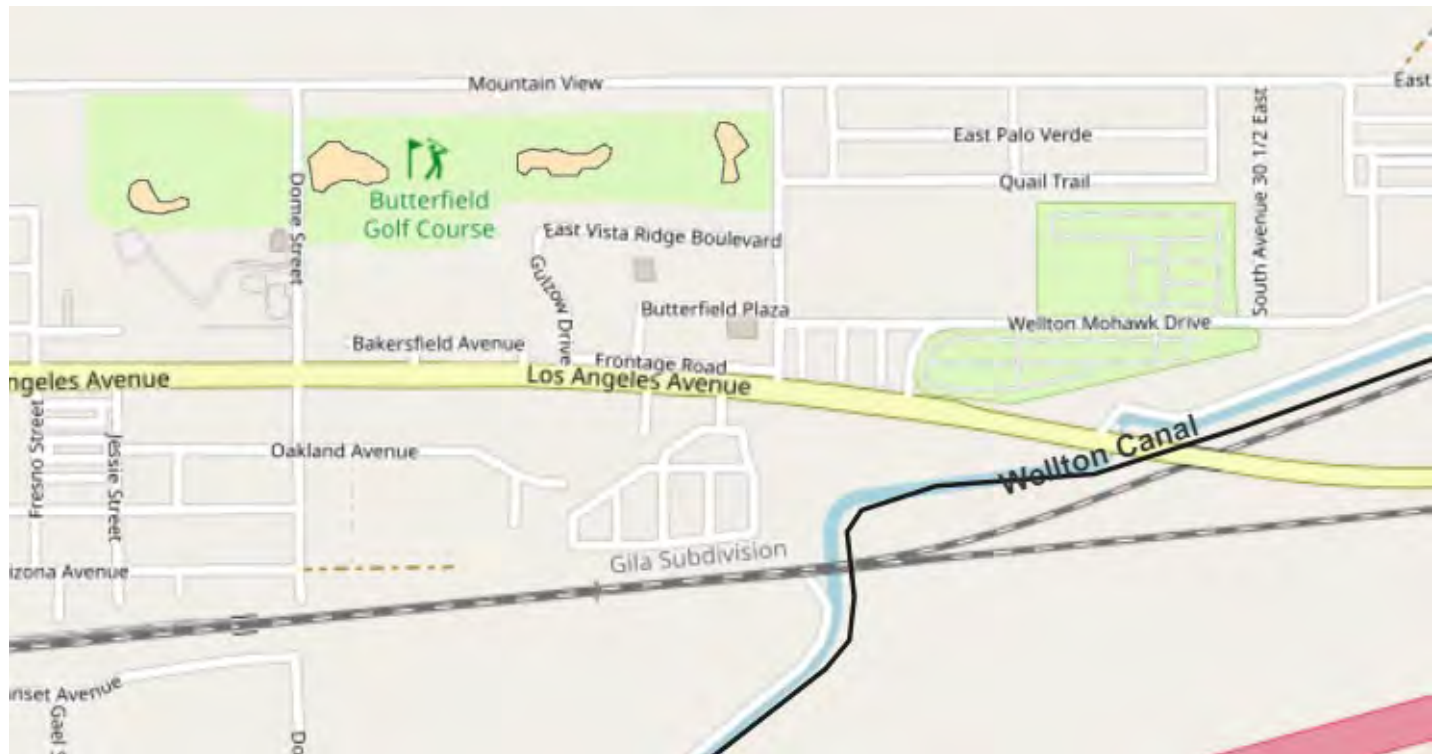


Figure 4. WOTUS Webmap topographic imagery showing the 4 Wellton ponds located within Butterfield Gold Course. These ponds are isolated and do not have downstream connectivity, despite proximity to Wellton Canal.



Figure 5. WOTUS Webmap topographic imagery showing the 4 Wellton ponds. These ponds are isolated and do not have connectivity, despite proximity to stream indicated by the arrow.

What is the non-WOTUS category for the Water Body?
<input type="checkbox"/> 1. Reach lies within a Terminal basin
<input type="checkbox"/> 2. Artificial lakes with no connectivity
<input type="checkbox"/> 3. Upland ditches with no connectivity to a TNW
<input checked="" type="checkbox"/> 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
<input type="checkbox"/> 5. Other

Known Uses of the Study Water Body		
Activity or Use	Source	Comments and supporting information
Recreation	AZMapper	All 4 ponds located within Butterfield Golf Course

ADEQ Final Determination – Wellton Pond 4 AZL15070201-0004D

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
	Waterbody Name: Wellton Pond 4			Evaluator: Kali Johnson		
	Reach Name:			Date: 9/13/21		
	WBID: AZL15070201-0004D			Lat/Long: 32.677269, -114.125949		
Interpretation of Results:						
<p>Wellton Pond (AZL15070201-0004D) is one of four isolated ponds located near an agricultural field in Wellton, east of Yuma (Figure 1). The USGS raindrop tool shows connectivity to a downstream TNW, however, this flowpath is incorrect because topographic and aerial imagery show no channel connectivity or visible outlets to Wellton Canal or a stream to the west (Figures 2, 3, 4 & 5). All 4 ponds are located within Butterfield Golf Course.</p> <p>Wellton Pond is an isolated lake and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Wellton Pond 1 AZL15070201-0004D is NON-WOTUS.</p> <p>This waterbody is currently listed on the draft AZ Protected Surface Water List of the state Surface Water Protection Program.</p>						



Figure 1. Google Earth imagery showing Wellton Pond 4 located within Butterfield Golf Course. There are no visible channels or outlets present.



Figure 2. USGS Raindrop Tool incorrectly showing connectivity to the Gila River and then on to the Colorado River.

Wellton Ponds

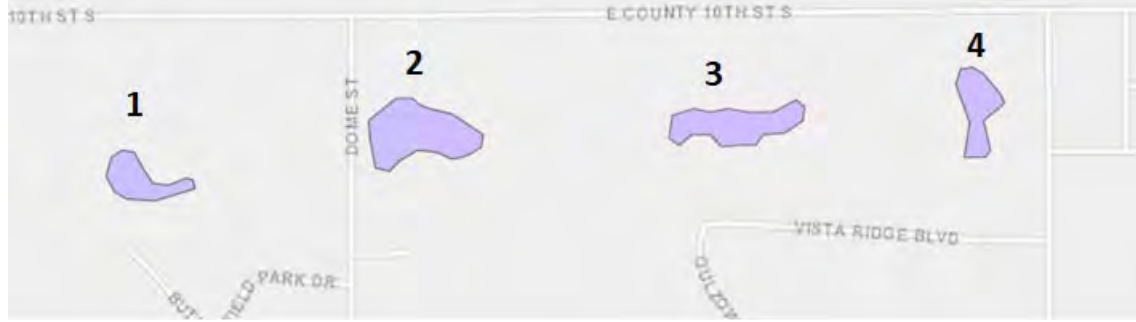


Figure 3. WOTUS Webmap topographic imagery showing the 4 Wellton ponds. These ponds are isolated and do not have downstream connectivity.

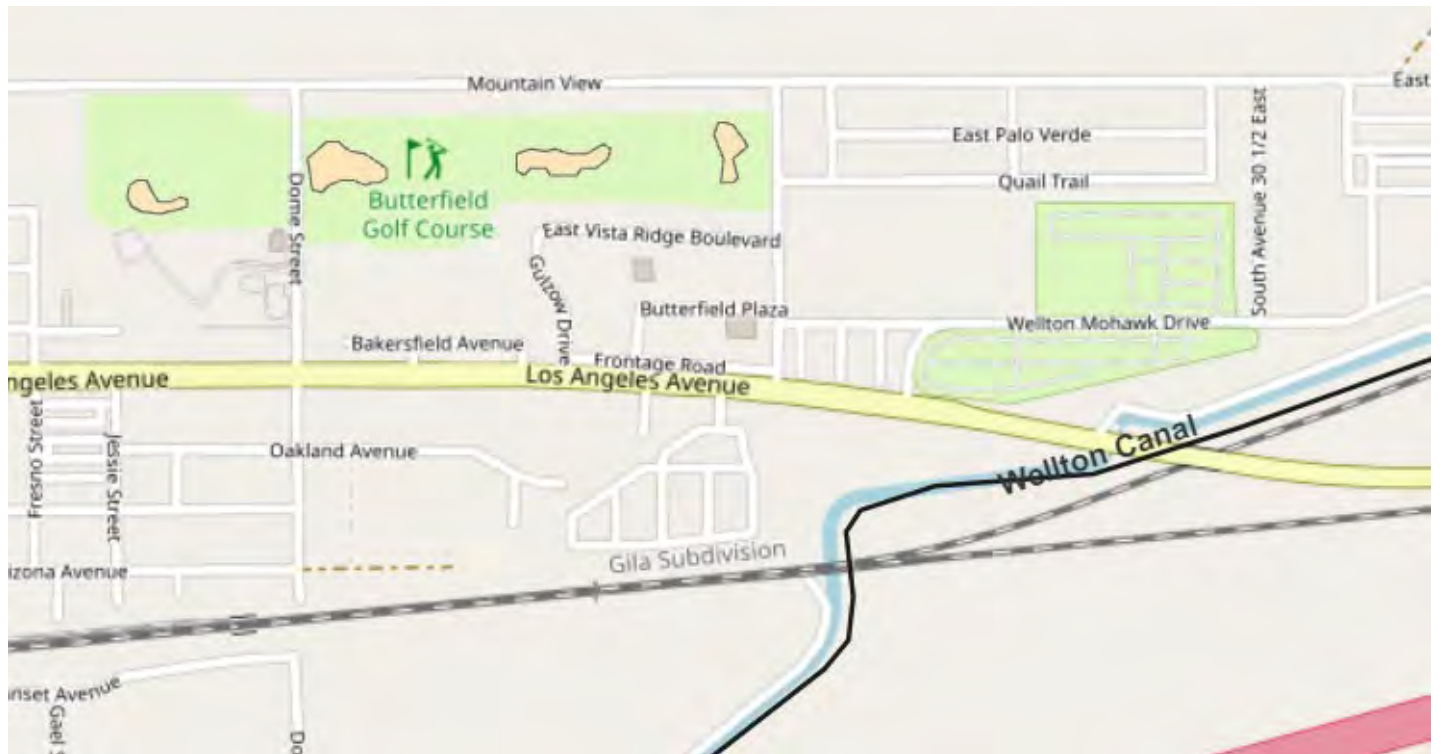


Figure 4. WOTUS Webmap topographic imagery showing the 4 Wellton ponds located within Butterfield Gold Course. These ponds are isolated and do not have downstream connectivity, despite proximity to Wellton Canal.



Figure 5. WOTUS Webmap topographic imagery showing the 4 Wellton ponds. These ponds are isolated and do not have connectivity, despite proximity to stream indicated by the arrow.

What is the non-WOTUS category for the Water Body?
<input type="checkbox"/> 1. Reach lies within a Terminal basin
<input type="checkbox"/> 2. Artificial lakes with no connectivity
<input type="checkbox"/> 3. Upland ditches with no connectivity to a TNW
<input checked="" type="checkbox"/> 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
<input type="checkbox"/> 5. Other

Known Uses of the Study Water Body		
Activity or Use	Source	Comments and supporting information
Recreation	AZMapper	All 4 ponds located within Butterfield Golf Course

ADEQ Final Determination (1980's Rule) – Willcox Playa AZL15050201-1892

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Willcox Playa		Evaluator:	Mackenzie Moore	
Reach Name:	32 9"50.022'/11 48"21.58' IN THE SULPHUR SPRINGS VALLEY		Date:	10/8/2021	
WBID:	AZL15050201-1892		Lat/Long:	32.134889, -109.852528	

Interpretation of Results:

Willcox Playa (AZL15050201-1892) is located near Cochise, Arizona and lies within the Willcox Playa terminal basin (Figure 1). The USGS Raindrop Tool shows that the flowpath terminates within the greater Willcox Playa (Figure 2).

Willcox Playa is located within a terminal basin and is therefore not connected to a TNW and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Willcox Playa AZL15050201-1892 is NON-WOTUS.

Willcox Playa is not currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.

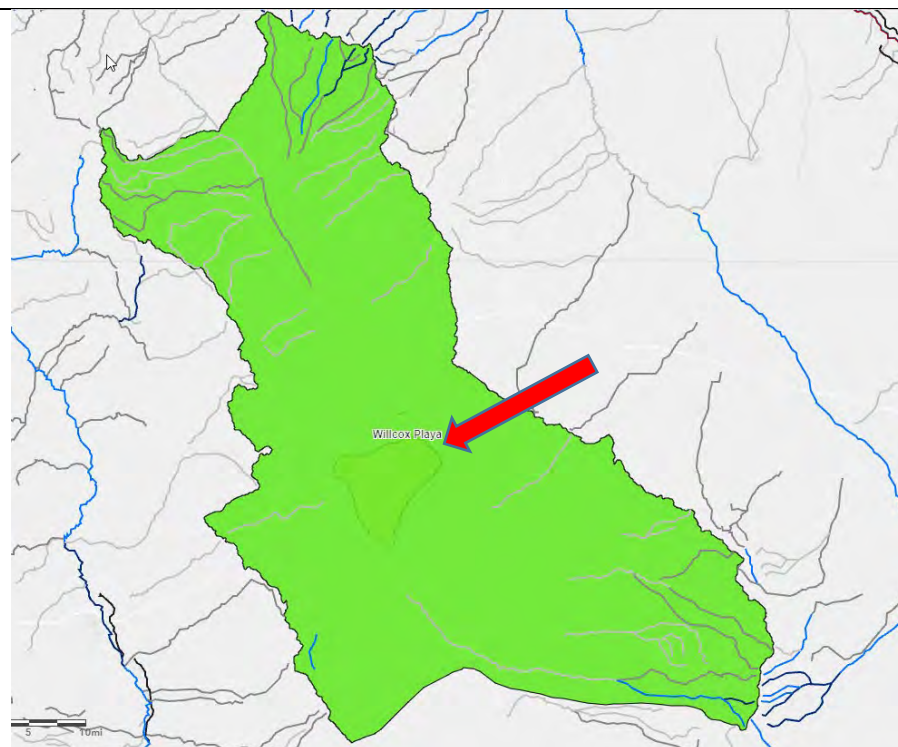


Figure 1. WOTUS Webmap location of Willcox Play within the terminal Basin.



Figure 2. The Raindrop Tool from USGS traces a flowpath that terminates within the greater Willcox Playa basin.

What is the non-WOTUS category for the Water Body?
(select one after all evaluations have been completed)? Refer to the NWPR Fact Sheet

- ☒ 1. Reach lies within a Terminal basin
- ☐ 2. Artificial lakes with no connectivity
- ☐ 3. Upland ditches with no connectivity to a TNW
- ☐ 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
- ☐ 5. Other

ADEQ Final Determination (1980's Rule) – Wright Canyon AZ15010007-003A

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Wright Canyon		Evaluator:	Mackenzie Moore	
Reach Name:	Headwaters to Unnamed Tributary		Date:	10/7/2021	
WBID:	AZ15010007-003A		Lat/Long:	35.327753, -113.514263	

Interpretation of Results:

Wright Canyon (AZ15010007-003A) is located within the Hualapai Wash terminal basin (Figure 1). The USGS Raindrop Tool shows that the flowpath terminates shortly beyond Wright Canyon (Figure 2).

Wright Canyon is located within the Hualapai Wash terminal basin and is therefore not connected to a TNW and is not a WOTUS under the 1980's definition of WOTUS (Figure 3 and 4). The results of the WOTUS evaluation and all available data indicates that Wright Canyon AZ15010007-003A is NON-WOTUS.

Wright Canyon is currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.

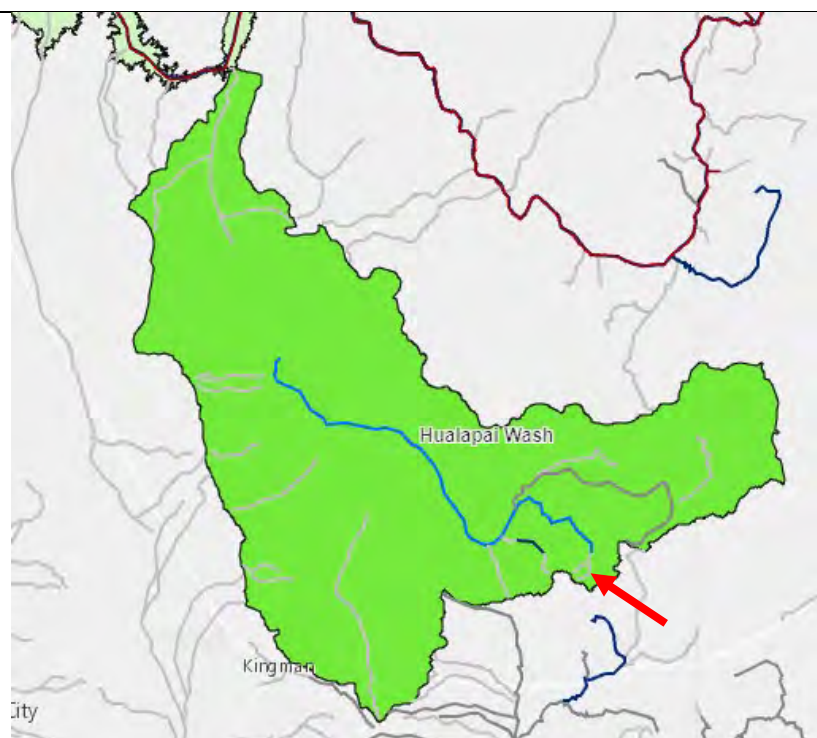


Figure 1. Basemap from the WOTUS Webmap with the Terminal Basins Under the 1980s WOTUS Rule turned on shows that Wright Canyon lies within the Hualapai Wash terminal basin.



Figure 2. The Raindrop Tool from USGS traces a flowpath that terminates shortly beyond Wright Canyon and before it reaches a TNW.

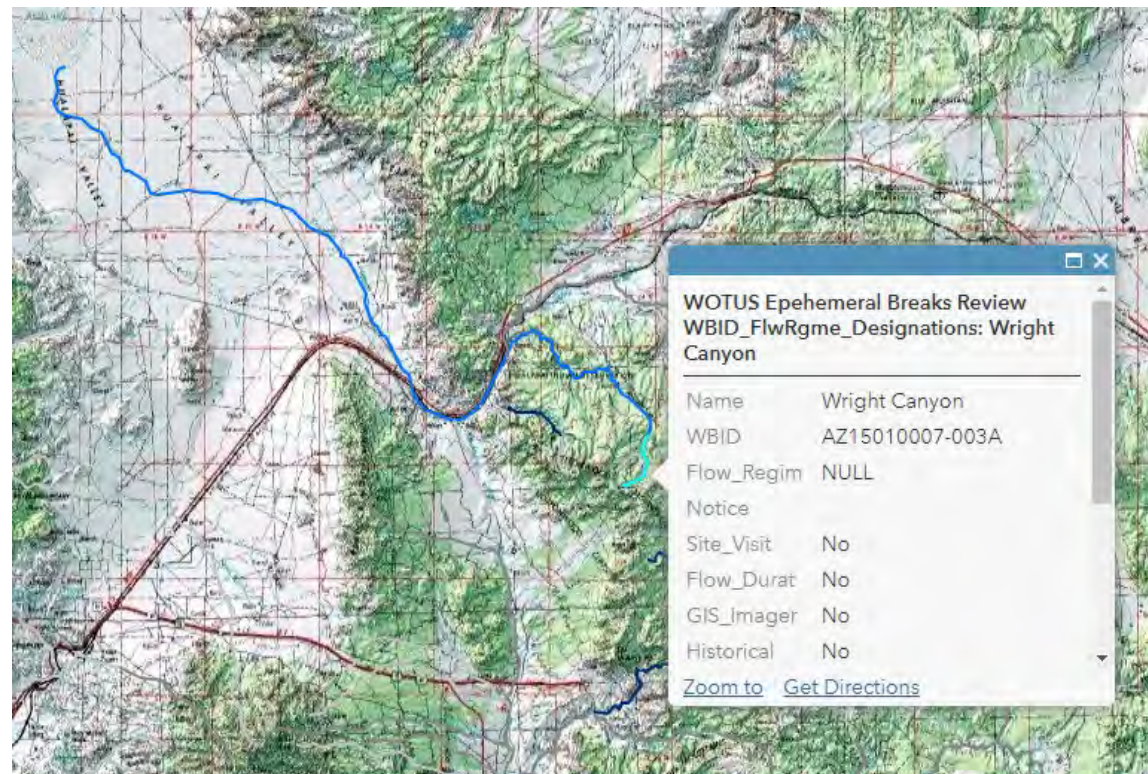


Figure 3. Topographic map from the WOTUS webmap showing Wright Canyon (15010007-003B) flowing to Truxton Wash, which terminates in the Hualapai Wash terminal basin.



Figure 4. Google Earth Pro Imager (2021) showing Wright Canyon (15010007-003A).

What is the non-WOTUS category for the Water Body? (select one after all evaluations have been completed)? Refer to the NWPR Fact Sheet
<input checked="" type="checkbox"/> 1. Reach lies within a Terminal basin
<input type="checkbox"/> 2. Artificial lakes with no connectivity
<input type="checkbox"/> 3. Upland ditches with no connectivity to a TNW
<input type="checkbox"/> 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
<input type="checkbox"/> 5. Other

Known Uses of the Study Water Body (Document any known public uses of the water body including recreational (boating, kayaking, fishing, etc.), commercial, or academic)		
Activity or Use	Source	Comments and supporting information

ADEQ Final Determination (1980's Rule) – Wright Canyon AZ15010007-003B

Final WOTUS Evaluation	<div style="border: 2px solid black; border-radius: 50%; padding: 10px; display: inline-block;"> NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT </div>		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT	Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
Waterbody Name:	Wright Canyon		Evaluator:	Mackenzie Moore	
Reach Name:	Unnamed Tributary to Truxton Wash		Date:	10/7/2021	
WBID:	AZ15010007-003B		Lat/Long:	35.397393, -113.589398	

Interpretation of Results:

Wright Canyon (AZ15010007-003B) is located within the Hualapai Wash terminal basin (Figure 1). The USGS Raindrop Tool shows that the flowpath terminates shortly beyond Wright Canyon (Figure 2).

Wright Canyon is located within the Hualapai Wash terminal basin and is therefore not connected to a TNW and is not a WOTUS under the 1980's definition of WOTUS (Figure 3 and 4). The results of the WOTUS evaluation and all available data indicates that Wright Canyon AZ15010007-003B is NON-WOTUS.

Wright Canyon is currently listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.

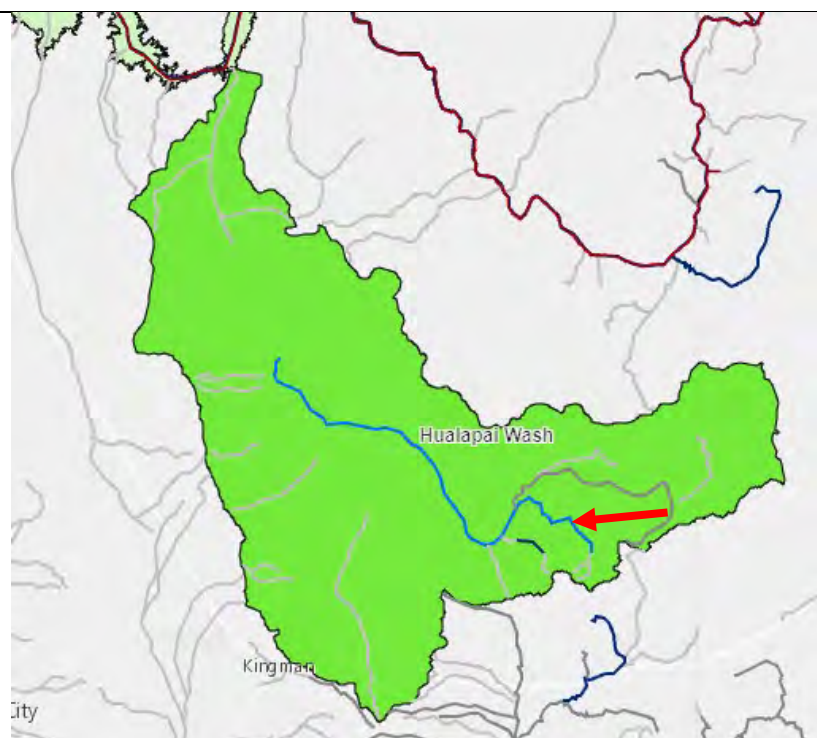


Figure 1. Basemap from the WOTUS Webmap with the Terminal Basins Under the 1980s WOTUS Rule turned on shows that Wright Canyon lies within the Hualapai Wash terminal basin.



Figure 2. The Raindrop Tool from USGS traces a flowpath that terminates shortly beyond Wright Canyon and before it reaches a TNW.

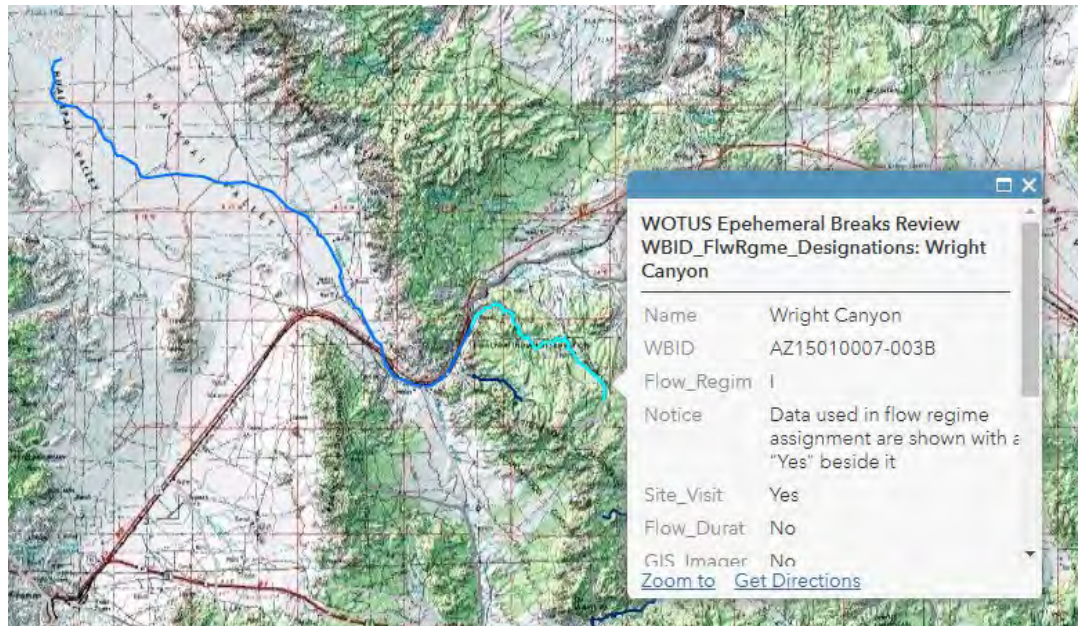


Figure 3. Topographic map from the WOTUS webmap showing Wright Canyon (15010007-003B) flowing to Truxton Wash, which terminates in the Hualapai Wash terminal basin.



Figure 4. Google Earth Pro Imagery (2021) showing Wright Canyon (15010007-003B).

What is the non-WOTUS category for the Water Body? (select one after all evaluations have been completed)? Refer to the NWPR Fact Sheet
<input checked="" type="checkbox"/> 1. Reach lies within a Terminal basin
<input type="checkbox"/> 2. Artificial lakes with no connectivity
<input type="checkbox"/> 3. Upland ditches with no connectivity to a TNW
<input type="checkbox"/> 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
<input type="checkbox"/> 5. Other

Known Uses of the Study Water Body (Document any known public uses of the water body including recreational (boating, kayaking, fishing, etc.), commercial, or academic)		
Activity or Use	Source	Comments and supporting information

ADEQ Final Determination – Yuma Proving Ground AZL15030107-1710

Final WOTUS Evaluation	NON-WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		INCONCLUSIVE	WOTUS <input type="checkbox"/> SDAM <input type="checkbox"/> APT		Notes: SDAM <input type="checkbox"/> Intermittent <input type="checkbox"/> Ephemeral <input type="checkbox"/> Need more Data APT-Score: _____ Typical Year Condition <input type="checkbox"/> Meet <input type="checkbox"/> Not Meet
	Waterbody Name: Yuma Proving Ground			Evaluator: Mackenzie Moore		
	Reach Name:			Date: 09/09/2021		
	WBID: AZL15030107-1710			Lat/Long: 32.849456, -114.437307		
Interpretation of Results:						
<p>Yuma Proving Grounds (AZL15030107-1710) is a military installation located in Yuma. The lakes are artificial with concrete perimeters and no outlets to a natural channel or downstream TNW (Figure 1). The USGS Raindrop Tool shows connectivity from Yuma Proving Ground to the Colorado River, however this flow path is incorrect because there are no channels or outlets and that flowpath is not observed in satellite imagery or topographic imagery (Figure 2a, 2b, and Figure 3).</p> <p>Yuma Proving Ground is an isolated lake and is not a WOTUS under the 1980's definition of WOTUS. The results of the WOTUS evaluation and all available data indicates that Yuma Proving Ground AZL15030107-1710 is NON-WOTUS.</p> <p>Yuma Proving Grounds is not listed on the draft Protected Surface Water List for protection under the state Surface Water Protection Program.</p>						



Figure 1. Aerial imagery of Yuma Proving Ground. The ponds are concrete lined and no outlets are visible.



Figure 2a. The USGS Raindrop Tool shows an incorrect flow path from Yuma Proving Ground to the Colorado River.

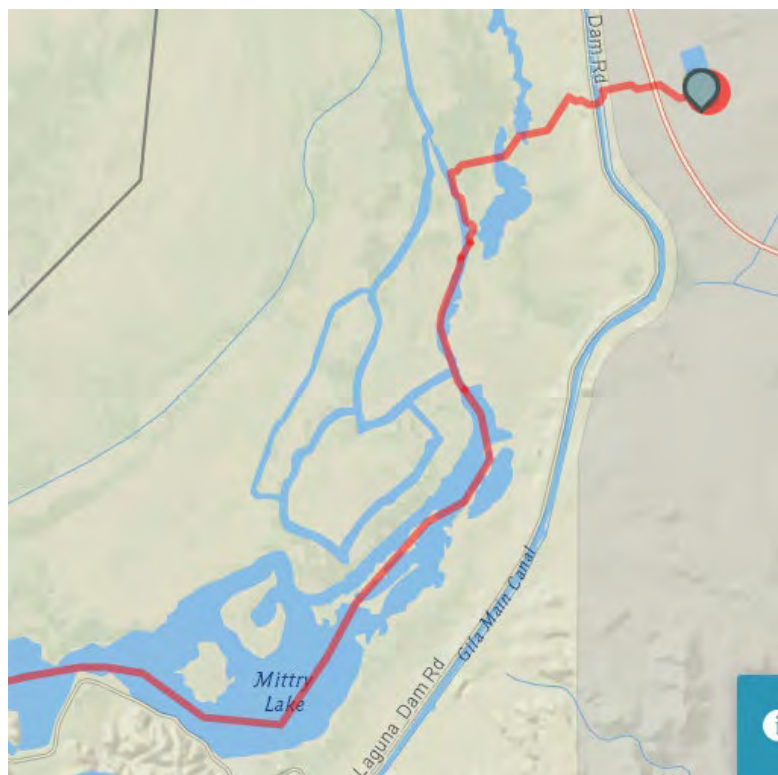


Figure 2b. A zoomed in view of the Yuma Proving Ground flow path provides further evidence of it being erroneous. The flow path crosses streets and canals where channels are not present.

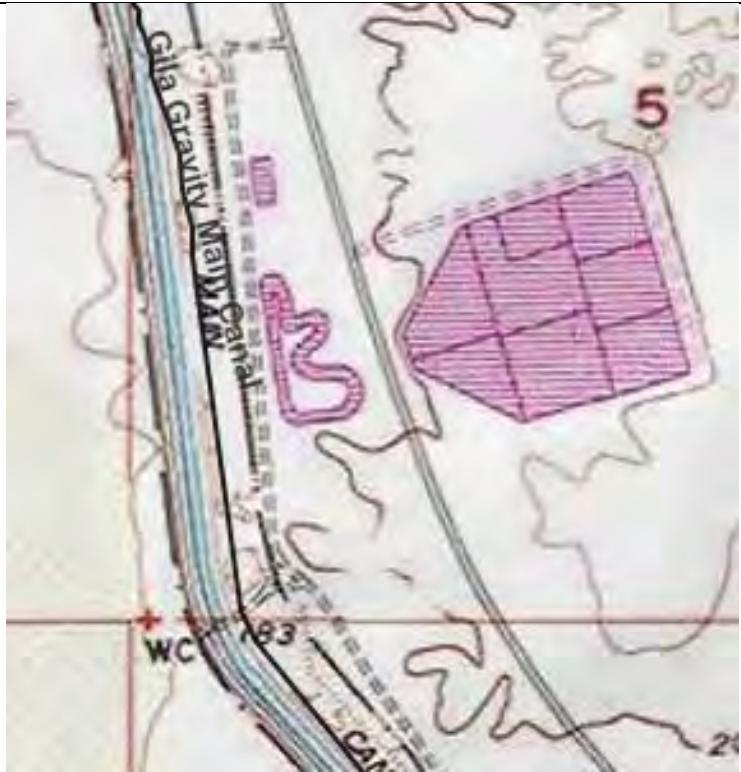


Figure 3. A topographic map of Yuma Proving Ground.

What is the non-WOTUS category for the Water Body?
(select one after all evaluations have been completed)? Refer to the NWPR Fact Sheet

<input type="checkbox"/> 1. Reach lies within a Terminal basin
<input checked="" type="checkbox"/> 2. Artificial lakes with no connectivity
<input type="checkbox"/> 3. Upland ditches with no connectivity to a TNW
<input type="checkbox"/> 4. Hydrologically isolated lake or disconnected stream, not connected to a TNW
<input type="checkbox"/> 5. Other

Known Uses of the Study Water Body (Document any known public uses of the water body including recreational (boating, kayaking, fishing, etc.), commercial, or academic)

Activity or Use	Source	Comments and supporting information
Military training; planning, conducting, assessing, analyzing, reporting, and supporting developmental tests for the U.S. Army	U.S. Army Yuma Proving Ground	